

NOTES ON PAPUAN BIRDS.

BY THE HON. WALTER ROTHSCHILD, PH.D., AND ERNST HARTERT.

(Continued from Page 231.)

[For the localities mentioned in this article see the "Introduction" to this series of Notes in Nov. Zool. 1901 pp. 55-61, and the maps, Pls. II. and III., in the same volume of this Journal. The former portions of this series are to be found as follows: Vol. VIII. pp. 55-88 (Introduction, *Pittidae*, *Psittaci*), and pp. 102-162 (*Columbidae*, *Megapodiidae*, *Rallidae*, *Limicola*, *Alcedinidae*); *antea*, pp. 65-116 (*Paradisidae*, *Corvidae*, *Laniidae*, *Dicruridae*, *Oriolidae*, *Artamidae*, *Sturnidae*), and pp. 196-231 (*Meropidae*, *Coraciidae*, *Podargidae*, *Cypripedigidae*, *Cypselidae*, *Campyphagidae*, *Nectariniidae*, *Dicaeidae*, the genus *Myzomela*, *Motacillidae*, *Sylviidae*, *Timeliidae*). We hope to continue the subject shortly.]

(Plates XIII & XIV.)

Since the appearance of the last portion of these notes we have received one more collection from New Guinea, *i.e.* a number of skins from Avera, on the Aroa River, to the north of Redscar Bay, north-west from Port Moresby, made by the indefatigable collector Albert S. Meek and his brother-in-law Mr. Eichhorn. The specimens are mentioned hereafter in their places; species of the families formerly dealt with will be discussed in future, if they call for special remarks.

We are obliged to Dr. Julius von Madarász, of Budapest, for the loan of some interesting *Meliphagidae*, mostly from German New Guinea.

XXVI. MELIPHAGIDAE.

1. *Gliciphila modesta* Gray.*Glyciphila modesta* G. R. Gray, P. Z. S. 1858. pp. 174, 190 (Aru).

♂ ♀, Cedar Bay, Queensland, 16. i. 1894. A. S. Meek coll.

♂ ♀, Cape York, Queensland, 18, 20. vii. 1898. A. S. Meek coll., Nos. 1961, 1982.

1 ♀, "Australia," 1876. Walter Chamberlain coll.

3 ♂♂, Fergusson Island, D'Entrecasteaux group, 3, 16, 17. vi. 1897. A. S. Meek coll., Nos. 525, 630, 631. No. 525 : "Iris hazel, feet flesh-colour, bill brown." Nos. 630, 631 : "Iris dark brown, feet and bill light brown."

1, British New Guinea, 1898. E. Weiske coll.

2 ♂♂, Wokan, Aru Is., 4, 5. x. 1900. H. Kühn coll., Nos. 2654, 2655.

1 ♂, Trangan, Aru Is., 18. ix. 1900. H. Kühn coll., No. 2653. "Iris reddish brown, feet pinkish grey, bill pale brown."

2. *Glycichaera fallax* Salvad.*Glycichaera fallax* Salvadori, Ann. Mus. Civ. Gen. xii. p. 335 (1878).*Sericornis sylvia* Reichenow, J. f. O., 1899.* p. 118 (Friedrich Wilhelmsbafen).

1 ♀, 1 sex? Dorey, October 1896, June 1897. W. Doherty coll. "Iris dull white, feet slaty blue, bill brown."

1 ♂, 2 ♀♀, Kapaur, December 1896. W. Doherty coll.

2 ♂♂, 1 ♀, Takar, October, November 1896. W. Doherty coll.

1, Mt. Maori, near Humboldt Bay, January 1899. J. Dumas coll.

* "*Sericornis sylvia*" is nothing but *Glycichaera fallax*.

3 ♂♂, 3 ♀♀, Mysol, 11, 27, 30. i., 1, 5, 8. ii. 1900. H. Kühn coll. (Kühn describes the iris as ash-grey, yellowish grey, greyish brown, black, vermillion!) Nos. 1821, 1938, 1996, 1997, 1999, 2022.

3 ♂♂, Sungey Bark, Kobroor, Aru Is., 22, 26. viii. 1900. H. Kühn coll., Nos. 2326, 2335. "Iris yellowish white, white, dark red."

1 ♂, Wokan, Aru Is., 30. ix. 1900. H. Kühn coll., No. 2693. "Iris white."

1 ♂, Friedrich Wilhelmshafen, Kaiser Wilhelmsland, 19. i. 1898. Tappenbeck coll.

3. *Glycichaera poliocephala* Salvad. (?)

Glycichaera poliocephala Salvadori, Ann. Mus. Cir. Gen. xii. p. 336 (1878 : Andai).

1 ♀, Milne Bay, British New Guinea, 2. ii. 1899. A. S. Meek coll., No. 2238. "Iris light brown, feet slate-blue, bill light brown."

This specimen differs from our series of *G. fallax* in its more greyish, less olive upper surface and more distinctly greyish chin and upper throat. The sides of the head are lighter and more greyish.

4. *Oedistoma pygmaeum* Salvad.

Oedistoma pygmaeum Salvadori, Ann. Mus. Civ. Gen. vii. p. 952 (1875 : Arfak).

3 ♂♂, 1 ♀, Kapanur, December 1896, February 1897. W. Doherty coll. "Iris dark brown, feet blackish grey, bill black, pale below, gape orange."

2 ♂♂, 1 ♀, Mysol, 29, 30. i., 4. ii. 1900. H. Kühn coll., Nos. 2000, 2001, 2002. "Iris brown, feet dark grey, bill black."

1, Mt. Cameron, 8. ix. 1896. A. S. Anthony coll.

1, Mt. Gayata, Richardson Range, 2000—4000 feet. Purchased from McIlwraith, 1898.

1 ♂, Avera, Aroa River, 25. i. 1903. A. S. Meek coll., No. A. 89. "Iris light brown, bill and feet slate."

5. *Oedistoma meeki* (Hartert).

Anthreptes meeki Hartert, Nov. Zool. iii. p. 239 (1896 : Fergusson Island).

Differs at a glance from *Oedistoma pygmaeum* by its larger size (bill and wing), clear ash-grey head and hindneck and whitish grey throat and foreneck.

♂, Fergusson Island, 6. x. 1894. A. S. Meek coll. (*type*).

2 ♂♂, 2 ♀♀, Fergusson Island, 4, 5, 22. x. 1884, ix. 1894. A. S. Meek coll.

1 ♂, 3 ♀♀, Fergusson Island, 21. v., 2. vi. 1897. A. S. Meek coll., Nos. 334, 473, 502, 503. "Iris light brown, feet dark blue, bill black, base of mandible light."

1 ♀, Goodenough Island, 11. xii. 1896. A. S. Meek coll., No. 40.

6. *Melilestes megarhynchus* (Gray).

Ptilotis megarhynchus G. R. Gray, P. Z. S. 1858. p. 174 (Arn Islands).

1 ♂, 1 ♀, 1 ?, Mysol, 4, 6, 10. ii. 1900. H. Kühn coll., Nos. 2004, 2010, 2041. "Iris orange, feet ash-grey, bill black."

♂, Momos, Waigin, 28. x. 1883. "Length 250 mm. Iris red, tarsus blue-grey, bill black. Ex coll. Guillemand."

♂, ♀, Waigin, 28. xi. 1902, 6. i. 1903. Waterstradt coll.

4 ♂♂, 1 ♀, Kapanur, October, December 1896, January, February 1897. W. Doherty coll. "Iris orange, feet blue-grey, bill black."

- 1, Andai. (Ex Bruijn.)
 2 ♂♂, Mt. Arfak, 1879. Bruijn coll.
 1 ♂, Terfia, October, 1896. W. Doherty coll.
 3 ♂♂, 1 ♀, Takar, October, November 1896. W. Doherty coll.
 1 ♂, Mt. Maori, January 1899. J. M. Dumas coll.
 1 ♀, Stephansort, 15. xii. 1898. E. Nyman coll.
 1 ♂, Milne Bay, 18. iii. 1899. A. S. Meek coll., No. 2389. "Iris reddish brown, feet slate-blue, bill black."
 1, British New Guinea, 1898. E. Weiske coll.
 3 ad. 1 juv., Upper Aroa River, 3000—7000 feet, August, September 1899. E. Weiske coll.
 1 juv., Mt. Victoria, 5000—7000 feet, April—June 1896. Native coll.
 3, Wokan, Aru Island, 7. x. 1900. H. Kühn coll. "Iris orange-red, feet greyish blue, bill black."
 1, Wokan, Aru Is., 2. vi., 1896. C. Webster coll. (From spirits.)
 1 ♂, Sungey Bark, Kobroor, 27. viii. 1900. H. Kühn coll.
 1 ♂, Wanambai, Kobroor, 2. ix. 1900. H. Kühn coll.
 1, Wanambai, Kobroor, 1. vii. 1896. C. Webster coll. (From spirits.)
 1 ♂, 2 ♀ ♀, Avera, Aroa River, 21. i., 2. ii., 21. iii. 1903. A. S. Meek coll., Nos. A 33, 178, 444. "Iris reddish yellow, feet slate-blue, bill vandyke-brown."

7. *Melilestes novaeguineae* (Less.)

- Cinnyris novaeguineae* Lesson, *Voy. Coqu., Zool.* i. p. 677 (1828: Dorey).
 4 ♂♂, 2 ♀ ♀, Mysol, 17, 18, 29. i., 4. ii., 1900. H. Kühn coll., Nos. 1823, 1826, 1985, 1987, 1990, 1992. "Iris coffee-brown, feet ashy, bill black."
 1, Waigiu. Guillemard coll.
 1 "♀," Waigiu, 1. xii. 1902. Waterstradt coll.
 3 ♂♂, 1 ♀, Ansus, Jobi, April—May 1897. W. Doherty coll.
 1 ♂, 1 ♀, Marai, Jobi, April 1897. W. Doherty coll.
 1 ♀, Keboi, Jobi, November 1896. W. Doherty coll. "Iris chestnut, feet greyish blue, bill blackish."
 7 ♂♂, 6 ♀ ♀, Kapaur, December 1896, January, February 1897. W. Doherty coll.
 3 ♂♂, 2 ♀ ♀, Dorey, October 1896, June 1897. W. Doherty coll.
 2 ♂♂, Arfak, April 1875, 1879. Bruijn coll.
 1 ♂, Tana Mera, October 1896. W. Doherty coll.
 1, Mt. Maori, January 1899. J. M. Dumas coll.
 1 ♂, Fly River, 10. vii. 1877. D'Alberti's coll., No. 288.
 3 ♂♂, Sungey Bark, Kobroor, 24, 26, 27. viii. 1900. H. Kühn coll., Nos. 2375, 2378, 2380.
 2 ♂♂, 1 ♀, Wokan, Aru Is., 26, 27. ix., 1. x. 1900. H. Kühn coll., Nos. 2660, 2661, 2663.
 1 ♀, Wokan, Aru Is., 2. vi. 1896. C. Webster coll. (From spirits.)
 1 ♂, Trongan, Aru Is., 14. ix. 1900. H. Kühn coll., No. 2662.

8. *Melilestes polioptera* Sharpe.

- Melilestes polioptera* Sharpe, *Journ. Linn. Soc., Zool.* xvi. pp. 318, 438 (1882: "Astrolabe Mts.").
 3 ad., 1 juv., Eafa district, 1898, British New Guinea, "1000—3000 ft." A. S. Anthony coll.

1 ♂, 1 ♀, Mt. Cameron, 7000 ft. A. S. Anthony coll. "Iris brown, feet light brown, bill black."

1, Upper Aroa River, 3000—7000 ft., August—September 1899. E. Weiske coll.

1 ♀ ad., 1 ♀ juv., Avera, Aroa River, 24, 25. i. 1903. A. S. Meek coll., Nos. A 73, 88. "Iris brown, feet and bill black."

9. *Melilestes iliophorus iliophorus* Salvad.

Melilestes iliophorus Salvadori, Ann. Mus. Civ. Gen. vii. p. 951 (1875 : Miosnom).

Melilestes affinis, l.c. p. 952 (1875 : Arfak).

On comparison of our specimens, of six specimens from Dutch New Guinea, ten from British New Guinea and two from Jobi, it appears to us impossible to corroborate Count Salvadori's alleged differences between *M. iliophorus* and *affinis*. We have, however, no specimens from Miosnom.

1 ♂, 1 ♀, Ansus, Jobi, April—May 1897. W. Doherty coll. "Iris deep chestnut, feet slaty blue, bill black, gape lemon-yellow."

2 ♂♂, 1 ♀, 1 ♀ ?, Arfak. Bruijn coll. 1879.

2, Mt. Maori, near Humboldt Bay, January 1899. J. M. Dumas coll.

3 ♂♂, 1 ♀, Avera, Aroa River, Brit. New Guinea, 17, 23, 28. ii. 1903. A. S. Meek coll., Nos. A 66, 241, 277, 326. "Iris light brown, feet slate-blue, bill black."

2, British New Guinea, 1898. Emil Weiske coll.

1 ♀, Mt. Gayata, Richardson Range, 2000—4000 ft. E. Weiske coll.

2 ♂♂, 1 ♀, Mt. Cameron, 7000 ft., August—September 1896. A. S. Anthony coll. "Iris brown, feet pale blue, bill black."

10. *Melilestes fergussonis* Hart.

Melilestes fergussonis Hartert, Nov. Zool. iii. p. 237 (1896 : Fergusson Island).

1 ♂, Fergnsson Island, October 1894. A. S. Meek coll., No. 15. (*Type*.)

2 ♂♂, 2 ♀♀, Fergnsson Island, October 1894. A. S. Meek coll.

♀, Fergnsson Island, 6. vi. 1897. A. S. Meek coll., No. 560.

♂, Goodenough Island, 4. xii. 1897. A. S. Meek coll., No. 72.

11. *Melilestes* spec. ?

1 ♀, Mafor, May 1897. W. Doherty coll.

This *female* is immature, but differs considerably from *M. novaequineziae*, to which it may belong. It is, however, in such bad condition that it is impossible to identify it satisfactorily.

12. *Melipotes gymnops* Scl.

Melipotes gymnops Scaler, P. Z. S. 1873. p. 695. Pl. 56 (Hatam, Arfak).

6 ♂♂, 1 ♀, Arfak, 1875. Bruijn coll. (Specimens *i*, *m*, *v*, *y*, *z*, *g'*, *v'* of Salvadori's list on p. 318 of vol. ii. *Orn. Pap.* etc.

3 ♀♀, Hatam, Arfak, 23. 26. vi., 4. vii. 1875. Beccari coll. (Specimens *f'*, *p'*, *s'* of Salvadori's list, p. 318, t.c.)

2 ♀♀, Hatam, 1879. Bruijn coll.

- 2 ♂ juv., without exact locality. (? Arfak.)
 1 ad., 1 juv., without exact locality. (? Arfak.)
 1 ♂, without exact locality. (? Arfak.)
 3, Arfak. Burke coll.

13. *Melipotes gymnops fumigatus* Mey.

- Melipotes fumigatus* Meyer, *Zeitschr. f. ges. Orn.* iii. p. 22 (1886 : "Hufesengebirge").
Melipotes atriceps Grant, *Bull. B. O. Club* v. p. 15 (December 1895 : Owen Stanley Mts.). (Very poor description, more a hindrance than an aid to science.)
- 6 ad., 1 juv., Owen Stanley Mts., 3000—7000 ft., 1896—1897. Native coll.
 3 ♂♂, 2 ♀♀, 2 sex ?, Mt. Cameron, 5000—7000 ft., 1896. A. S. Anthony coll. "Iris dark red, feet pale blue, bill black."
 1 ad., Mt. Scratchley. A. S. Anthony coll.
 1 ♀, Avera, Aroa River, 7. iii. 1903. A. S. Meek coll., No. A 389. "Iris dark reddish brown, feet pale chalky blue, bill black."

14. *Melidectes torquatus torquatus* Sel.

- Melidectes torquatus* Selater, *P. Z. S.* 1873. p. 694. Pl. 55 (Arfak).
- 1 "♀," Arfak. From Bruijn's hunters. "No. 14."
 1 without locality, but evidently from Bruijn's hunters.

15. *Melidectes torquatus emiliae* Mey.

- Melidectes emiliae* Meyer, *Zeitschr. ges. Orn.* iii. p. 22 (1886 : "Hufesengebirge").
- 1, Hunstein coll. (marked "Typus" in the author's own handwriting).
 1, "No. 130," Goldie coll.
 1 without label.
 ♂, 1 ♀, British New Guinea.
 2 ♂♂, Mt. Cameron, Owen Stanley Range, 5000—7000 ft., August 1896.
 A. S. Anthony coll. "Iris brown, feet pale blue, bill blue."
 3 ♂♂, 3 ♀♀, Avera, Aroa River, 23, 30, 31. i. 1903, 4, 17. iii. 1903.
 A. S. Meek coll., Nos. A 54, 55, 159, 160, 355, 428. "Iris dark brown, feet slaty blue, bill chalky blue."

16. *Melirrhophetes leucostephes* Mey.

- Melirrhophetes leucostephes* A. B. Meyer, *Sitzungsber. k. Ak. Wissenschaft. Wien* lxx. p. 110 (Arfak).
- 7, without locality. Bruijn's preparation.
 1 ♀, Hatam, Arfak, 6. vii. 1875. Bruijn coll. (Specimen *k* of Salvadori's list in *Orn. Pap.* ii. p. 320).
 1 ♂, 4 ♀♀, Arfak, 1879. Bruijn coll.

17. *Melirrhophetes ochromelas ochromelas* Mey.

- Melirrhophetes ochromelas* Meyer, *l.c.* p. 111 (Arfak).
- 1, Arfak. From Bruijn's hunters.
 1, without label, seems to approach *M. o. batesi* in the colour of the supra-ocular stripe and tips of the ear-coverts.
 1, Ambernch River. J. M. Dumas coll. Also approaching *M. o. batesi*.

18. **Melirrhophetes ochromelas batesi** Sharpe.

Melirrhophetes batesi Sharpe, *Nature* vol. 34, p. 340 (1886 : British New Guinea); Sharpe in Gould's *B. N. Guinea* pt. xxii, Pl. X. (1886).

1 ♂, 2 ♀♀, Avera, Aroa River, 1, 27. ii. 1903. A. S. Meek coll., Nos. A 118, 170, 312; No. A 170 (♀). Has the supra-ocular stripe as pale as in *M. o. ochromelas*. A bigger series might prove *M. o. batesi* to be imaginary.

3, Mt. Owen Stanley, 3000—7000 ft., 1894—1895.

1, "Mt. Cameron, 5000—6000 ft."

1 ♂, 1 ♀, Aroa River, 4000 ft., August 1899. E. Weiske coll. "Iris black, feet white, bill pale blue."

19. **Melirrhophetes belfordi** De Vis.

Melirrhophetes belfordi De Vis, *Ann. Rep. Brit. New Guinea* 1889 (Birds) p. 3 (1890 : Mt. Knutsford) (cf. Nov. ZOOL. 1897. p. 369).

1 ♂, Easa district, 5000—6000 ft., October 1895. A. S. Anthony coll. "Iris brown, feet grey, bill dark brown."

1 ♂, Oriori district. A. S. Anthony coll.

3, between Mts. Musgrave and Scratchley, 5000—6000 ft. A. S. Anthony coll.

1 ♂, Mt. Cameron, 6500 ft., 2. viii. 1896. A. S. Anthony coll.

1 ♀, Mt. Cameron. Native coll.

1 ♂, 1 ♀, Mt. Owen Stanley, 5000—7000 ft., April—June 1896. A. S. Anthony coll.

4 ♂♂, Mt. Owen Stanley, 3000—5000 ft. Native coll. 1897.

20. **Melirrhophetes fusca** (De Vis).

Acanthochoera fusca De Vis, *Ann. Rep. Brit. New Guinea* for July 1896—1897 (Birds) p. 86 (1898 : Mt. Scratchley) (cf. Nov. ZOOL. 1897. p. 369).

2, Mt. Scratchley. A. S. Anthony coll.

2, between Mts. Musgrave and Scratchley. A. S. Anthony coll.

2 ♂♀, Mt. Knutsford, 11,000 ft., August 1898. A. S. Anthony coll. "Eye, bill and feet black."

1, Mt. Knutsford, 11,000 ft.

5, Mt. Owen Stanley, 3000—5000 ft. Native coll. 1897.

21. **Stigmatops argentauris** (Finsch).

Ptilotis argentauris Finsch, *Abh. Nat. Ver. Bremen* ii. p. 364 (1870 ; locality uncertain !)

Our examples from the Aru Islands are certainly quite different from *S. ocularis*, which also occurs on the Aru Islands, as shown by the specimens in the British Museum. The specimens from Aru before us seem to agree perfectly with Dr. Finsch's diagnosis.

♂ ad., Manien, Aru Is., 19. xi. 1897. H. Kühn coll., No. 347. "Iris coffee-brown, feet plumbeous, bill black."

♂♀ jun., Afara, Barkai I., Aru S.E., 25. xi. 1897. H. Kühn coll., Nos. 351, 352.

♂ jun., Wokan, 7. x. 1900. H. Kühn coll., No. 2729.

♂♀ jun., Dobbo, Aru, February 1897. W. Doherty coll.

22. *Ptilotis analoga analoga* Rehb.

Ptilotis analoga Reichenbach, *Hænzb. Spec. Orn.* "Meropinae," p. 103. tab. 467 (1852. Ex Hombrou & Jacq. "Ptilotis analogue." *Voy. Pôle Sud*, Pl. XVII.).

♂ ♀, Ramoi, New Guinea, 5, 9. ii. 1875. Beccari coll. (Specimens *t*, *u* of the list of specimens in *Orn. Pap.* ii. p. 329.)

♂, May 1877, Amberbaki. Laglaize coll. (Ex Bruijn.)

1, Dutch New Guinea. From Bruijn's hunters.

♀, "Côte septentr., 136° 30'—137° long." Bruijn coll.

2 ♂♂, 3 ♀♀, Takar, October 1896. W. Doherty coll. "Iris deep brown, feet slaty-blue, claws black, bill blackish."

2 ♂♂, 3 ♀♀, Dorey, October 1896. W. Doherty coll.

3 ♂♂, 1 ♀, Kapaur, November—December 1896. W. Doherty coll.

♀, Batanta, July 1875. Bruijn coll. (Specimen *j* of the list in *Orn. Pap.* ii. p. 329.)

♂, Tana Mera, October 1896. W. Doherty coll.

2 ♂♂, 1 ♀, Ron I., November 1896, June 1897. W. Doherty coll.

♂, Terfia I., October 1896. W. Doherty coll.

3 ♂♂, 4 ♀♀, Mysol, January 1900. H. Kühn coll., Nos. 1827—1832, 1931.

2 ♀♀, Simbang, German New Guinea, 6. viii. 1899. E. Nyman coll. "Iris weiss" (?) (Both marked "No. 37.")

♀, Ausus, Jobi, April 1874. Bruijn coll. (Specimen *n'* of the list in *Orn. Pap.* ii. p. 329.)

3 ♂♂, 4 ♀♀, Jobi, April 1897. W. Doherty coll.

♂, Hall Bay, British New Guinea, 10. vii. 1875. D'Albertis coll. (Specimen *o'* in *Orn. Pap.* ii. p. 330.)

♂, Nienra, Lix coll., 22. vii. 1897.

3, Kotoi district, British New Guinea, August 1898. A. S. Anthony coll.

2, Dobbo, Arn, June 1896. C. Webster coll.

♂, Giabu lengan, Arn Is., 22. vi. 1873. Beccari coll.

2 ♂♂, Sungey Bark, Arn Is., 21, 24. viii. 1900. H. Kühn coll., Nos. 2061, 2355.

1 ♂, Dobbo, Arn Is., 14. viii. 1900. H. Kühn coll., No. 2356.

2 ♂♂, Wauambai, Arn Is., 31. viii. 1900. H. Kühn coll., Nos. 2357, 2359.

1 ♂, 2 ♀♀, Wokan, Aru Is., September, October 1900. H. Kühn coll., Nos. 2642, 2643, 2644.

2 ♂♂, Trangan, Aru Is., 13, 19. ix. 1900. H. Kühn coll., Nos. 2640, 4647.

1, Cedar Bay, 1, Bartle Frere Mts., 4, Cape York, 6, Sudest I.

1 ♂, Kapanur, February 1897. W. Doherty coll. Aberration with white auricular patch.

23. *Ptilotis analoga orientalis* A. B. Mey.

Ptilotis orientalis A. B. Meyer, *J. f. O.* 1894. p. 92 (S.E. New Guinea, exact locality not known).

2, Mt. Cameron, 6500—7000 ft., July—August 1896. A. S. Anthony coll.

4, Mt. Gayata, Richardson Range. E. Weiske coll.

"2 ♂♂, 3 ♀♀," Avera, Aroa River, January—March 1903. A. S. Meek coll., Nos. A 27, 71, 72, 200, 392. "Iris light grey (dark brown), feet blue slate (pale slate), bill black."

Ptilotis analoga orientalis is clearly a subspecies of *Pt. analoga analoga*, though differing conspicuously by its spotted undersurface.

Sharpe (*Zool. Coll. H.M.S. Alert*, p. 19) has first differentiated between what he called *P. analoga* and *P. notata*, and one of us (Nov. Zool. 1898, p. 527, 1899, p. 426) found them quite confirmed in the Tring Museum. It was, however, a mistake (as suggested by one of us in Nov. Zool. 1898, p. 527) to accept the names *analoga* and *notata* for them, because the "Ptilotis analogue" of Hombron & Jacquinot on which *Ptilotis analoga* of Reichenbach and *Ptilotis similis* Jacquinot & Pucheran are based, is doubtless the form with slenderer bill, unsotted rump, and square yellow auricular patch, *notata* thus becoming a synonym of the same. The bird formerly called *analoga* by Sharpe (and by one of us in Nov. Zool. 1898) has no name. It is, however, closely allied to *P. aruensis* Sharpe, with which it agrees in the short, wide bill, black-spotted rump and general appearance, only the auricular patch is strongly elongated. We believe it to be a subspecies of *aruensis*, and we will therefore call it *P. aruensis sharpei*.

24. *Ptilotis aruensis aruensis* Sharpe.

Ptilotis aruensis Sharpe in *Zool. Coll. Aert* p. 19 (1884 : Aru).

♂ ?, Sungay Bark, Kabroor, Aru Is., 22. viii., 20. ix. 1900. H. Kühn coll. "Iris brownish grey (greyish brown), feet dark ash-grey (steel-grey), bill black."

Bill short and wide at base. Rump with dusky spots. Auricular patch square.

25. *Ptilotis aruensis sharpei* subsp. nov.

Ptilotis analoga Sharpe in *Zool. Coll. Aert* p. 19 (1884); Hartert, Nov. Zool. 1898, p. 527, but not *P. analoga* Rehb. !

♂, Arfak, from Bruijn's hunters.

♂, Batanta, June 1875. Bruijn coll. (Specimen *c'* of the list of specimens of *Ptilotis analoga* in *Orn. Pap.* etc. ii. p. 329.)

♀, Batanta, 30. vi. 1875. Beccari coll. (Specimen *a'* of the list of specimens of *Ptilotis analoga* in *Orn. Pap.* etc. ii. p. 329.)

♂ ?, Waigin, 13. i., 18. ii. 1903. Waterstradt coll.

1, Takar, October 1896. W. Doherty coll. "Iris deep brown, feet slaty blue, claws blackish. Bill blackish, gape ochreous."

♂, Dorey, October 1896. W. Doherty coll. (Type of *P. a. sharpei*.)

♂, Ansns, Joli, April 1897. W. Doherty coll.

5 ♂ ♀, Fergusson I., D'Entrecasteaux group, September—November 1894. A. S. Meek coll.

♂, Fergusson I., 5. vi. 1897. A. S. Meek coll., No. 540.

2 ♀ ♀, Goodenough I., D'Entrecasteaux group, 11, 12. xii. 1896. A. S. Meek coll., Nos. 38, 49.

The Budapest Museum has it from Erima in German New Guinea.

Differs from *P. analoga analoga* (= *notata*) in its shorter and wider bill, elongated instead of square auricular yellow patch, the rump being varied with dusky, lateral rump-feathers tipped with white. Differs from *P. aruensis aruensis* in the elongated auricular yellow tuft !

26. *Ptilotis montana* Salvad.

Ptilotis montana Salvadori, *Ann. Mus. Civ. Gen.* xvi. p. 77 (1880—Arfak mountains).

2, from unknown locality. Bruijn's skins.

1 ♂, Kapanur, January 1897. W. Doherty coll.

There can be no doubt, in our opinion, that *Ptilotis albonotata* Salvadori is

merely an aberration of *P. analoga analoga* with white instead of yellow auricular patch. Not only is there no other difference between the two supposed species, but they occur together, and we have several examples with a yellowish white or whitish yellow auricular patch, and have a specimen with yellow auricular feathers tipped with white.

The case is different with *P. montana*. Its distribution is not quite clear, as Doherty obtained it at Kapaur, where also the so called *P. albonotata*, an aberration of *P. analoga*, was collected. Salvadori, however, mentions *P. montana* only from the Arfak mountains, while *analoga* was the form he had from the Arfak coast. As it is we must recognise *P. montana* as distinct, differing from *P. analoga analoga* in its deeper and more olive upperside and wings and white or very pale whitish sulphur yellow, not bright yellow, auricular patch.

27. *Ptilotis versicolor versicolor* Gould.

Ptilotis versicolor Gould, Proc. Zool. Soc. 1842. p. 136 (Australia).

2 ad., "Torres Straits."

28. *Ptilotis versicolor sonoroidea* Gray.

Ptilotis sonoroidea G. R. Gray, P. Z. S. 1861. p. 428 (Waigiu).

♂ ♀ ad., ♂ juv., Yamna I., October 1886. W. Doherty coll. "Iris dark brown, feet iron-grey, bill black, gape yellowish."

♀, Karanton I. (near Sorong), 27. vi. 1875. Bruijn coll. (Specimen *g* of Salvadori's list, Orn. Pap. etc. ii. 335).

♂, "Mysol" (brought from Whately).

5 without locality, but evidently from Bruijn's hunters.

1 without label, preparation unknown.

29. *Ptilotis flavescens germana* Rams.

Ptilotis germana Ramsay, Proc. Linn. Soc. N. S. Wales iii. pp. 2, 39 (1878).

1 ad., Laroki R., S.E. New Guinea. O. C. Stoue coll.

30. *Ptilotis salvadorii* Hart.

Ptilotis salvadorii Hartert, Nov. Zool. iii. p. 531 (1896—Owen Stanley Mts.).

Ptilotis lacrimans De Vis, Ibis 1897. p. 382 (Mt. Scratchley and Wharton Range).

1 ad., Mt. Victoria, Owen Stanley Range, 5000—7000 ft., April—June 1896. (*Type*.)

3, Mountains of the Kotoi district, 11,000 ft., August 1898. A. S. Anthony coll.

1 ad., Mt. Victoria, Owen Stanley Range, 5000—7000 ft.

♂, Aroa River, 4900 ft., August 1899. E. Weiske coll. "Iris brown, feet yellow, bill black."

2, between Mts. Musgrave and Scratchley, 5000—6000 ft. British New Guinea.

31. *Ptilotis praecipua* Hart.

Ptilotis praecipua Hartert, Nov. Zool. iv. p. 370 (1897—between Mts. Musgrave and Scratchley).

(?) *Ptilotis perstriata* De Vis, Rep. Brit. N. Guinea for 1896-7. p. 86 (1898: Wharton Range).

♂ ad., between Mts. Musgrave and Scratchley, 5000—6000 ft. A. S. Anthony coll. (*Type*).

1, Upper Aroa River, 3000—7000 ft., August—September 1899. E. Weiske coll.

2, probably from Mt. Goyata, certainly Weiske's prepar.

♂, Avera, Aroa River, 27. iii. 1903. A. S. Meek coll., No. A 308). "Iris cloudy-yellow, feet chalky-blue, bill black."

♀, Mt. Knutsford, "11,000 ft." 18. viii. 1898. A. S. Anthony coll.

1, Moroka district, 3000—6000 ft.

1, Mt. Owen Stanley, 1897, 3000—5000 ft.

2 ♂ ♀, between Mts. Musgrave and Scratchley, 5000—6000 ft. A. S. Anthony coll.

32. *Ptilotis cinerea* Sel.

Ptilotis cinerea Selater, P. Z. S. 1873. p. 693 (Arfak: typ. loc. Hatam).

Ptilotis marmorata Sharpe, Journ. Lin. Soc. London xvi. p. 438 (1882: Astrolabe Mts., Goldie coll.).

Ptilotis marmorata is the same as *P. cinerea*. The specimens with unspotted undersurface are immature. This is distinctly shown by one of our specimens, which has a uniform underside, while a fresh-growing feather shows the broad whitish tip. The figure on Pl. IV. Cat. B. Brit. Mus. ix. is shocking, as it represents blackish instead of whitish feather-tips on the breast.

2 ♀ imm., Arfak. Bruijn coll.

1 imm., Arfak. Bruijn coll.

1 ad. without label, but evidently Bruijn's coll., probably Arfak.

2 ad., Mountains of British New Guinea. Purchased from McIlwraith in London. Weiske's skins.

1 nearly ad., "Mt. Gayata, Richardson Range, 2000—4000 ft." Purchased from McIlwraith in London.

1 ad., "Upper Brown River." Purchased from McIlwraith in London.

♀ ad., Kotoi district, 4000 ft., 16. viii. 1898. A. S. Anthony coll.

1 ad., Moroka district, 3000—6000 ft. Purchased from McIlwraith in London.

4 ♂ ♂, 2 ♀ ♀, Avera, Aroa River, January 1903. A. S. Meek coll., Nos. A 16, 17, 61, 93, 119, 143. "Iris bluish grey (dirty ivory, ashy), bill black, feet light blue-slate (bluish slate)."

33. *Ptilotis plumbea* Salvad.

Ptilotis plumbea Salvadori, Ann. Mus. Civ. Gen. (2) xiv. p. 151 (1894).

4, Aroa River. Emil Weiske coll.

2, probably from Mt. Gayata, Richardson Range. E. Weiske coll. (preparation).

34. *Ptilotis chrysotis chrysotis* (Less.).

Philedon chrysotis Lesson, Voy. Coqu. Zool. i. p. 645. Pl. 21 bis (Dorey) (1826—1828).

♀, Dorey, March 1874. Bruijn coll. (Specimen b of Salvadori's list, Orn. Pap. ii. p. 347.)

4 ♂ ♂, Dorey, October 1896, June 1897. W. Doherty coll. "Iris sepia, feet bluish grey, bill black."

♀, Arfak, 1. v. 1875. Bruijn coll. (Specimen u in Salvadori's list, Orn. Pap. ii. p. 347.)

♀, Andai, 7. iv. 1875. Beccari coll. (Specimen *i* of Salvadori's list, *Orn. Pap.* ii. p. 347.)

♂ (?), Andai, 1872. D'Albertis coll. From spirits! (Specimen *h* of Salvadori's list, *Orn. Pap.* ii. p. 347.)

1, Andai. From Bruiju's hunters.

2 ♂♂, Mansinam, May 1875. Bruiju coll. (Specimens *l*, *m* of Salvadori's list, *Orn. Pap.* ii. p. 347.)

♀, Wa Samson, 26. ii. 1875. Beccari coll. (Specimen *d'* of Salvadori's list, *Orn. Pap.* ii. p. 348.)

♂ ♀, Mysol, 23. i., 11. ii. 1900. H. Kühn coll., Nos. 1932, 2040.

7 ♂♂, 2 ♀♀, Kapaur, December 1896, January—February 1897. W. Doherty coll.

1, not quite ad., shows wide rufous edges to the wing-coverts.

1, quite young, Mt. Maori, near Humboldt Bay, January 1899.

35. *Ptilotis chrysotis fusciventris* (Salvad.).

Xanthotis fusciventris Salvadori, *Ann. Mus. Civ.* vii. p. 947 (1875 : Batanta).

♀, Momos, Waigiu, 27. x. 1883. H. Guillemard coll. "Iris brown, bill black, tarsus greyish blne."

3, Waigiu, November—December 1902. J. Waterstradt coll.

36. *Ptilotis chrysotis filigera* Gould.

Ptilotis filigera Gould, *P. Z. S.* 1850. p. 278. Pl. 34 (N. Australia).

3, "Cape York."

♂ ♀, Cape York, 21, 28. vii. 1898. A. S. Meek coll. "Iris brown, feet slate, bill black."

We know typical *filigera* only from North Queensland.

37. *Ptilotis chrysotis saturatior* subsp. nov.

Exactly like *P. c. filigera* from Cape York, but the upperside, especially the crown, of a deeper tint, the abdomen slightly browner and less distinctly spotted, with pale buffy tips to the feathers, and generally a deeper blackish line under the eyes.

♂ ♀, Wanambai, Kobroor, 1, 2. ix. 1900. H. Kühn coll., ♂, No. 2425 (type of *P. f. saturatior*!); ♀, No. 2426.

♀, Sungay Bark, Kobroor, Aru Islands, 26. viii. 1900. H. Kühn coll., No. 2428.

♂ ♀, Wokan, 26. ix., 4. x. 1900. H. Kühn coll., Nos. 200, 201. "Iris blackish brown, feet bright bluish ash-grey, bill black."

♂, Trangan, Aru Is., 16. ix. 1900. H. Kühn coll., No. 260.

1, Wanambai, 22. vi. 1896. Capt. Webster coll., 193. (From spirits!)

2, Wokan, Aru Is. Beccari coll. (Nos. *f'*, *g'* of Salvadori's list, *Orn. Pap.* ii. p. 346.) (From spirits!)

38. *Ptilotis chrysotis visi* Hartert.

Ptilotis visi Hartert, Nov. ZOOL. iii. p. 15 (1896 : Mailu district).

1 "♂," Mailu district, Brit. New Guinea, July—August 1895. "Eye dark brown, feet grey, beak black." A. S. Anthony coll. (*Type!*)

3, Mailu district, July—August 1895. A. S. Anthony coll.

2 ♀♀, Oriori district, British New Guinea, 10. i., 2. ii. 1896. A. S. Anthony coll.

2 ♂♂, 2 ♀♀, Milne Bay, January—February 1899. A. S. Meek coll., Nos. 2192, 2276, 2294, 2320.

2 ♂♂, Fly River, June 1876. D'Albertis coll.

♂♀, Hall Bay, S. New Guinea, 10, 11. v. 1875. D'Albertis & Tomasinelli coll. (Specimens *q*, *r* of Salvadori's list of "Xanthotis filigera," *Orn. Pap.* ii. p. 346.)

3 ♂♂, Naiabni, August—September, 1877. D'Albertis and Tomasinelli coll. (Specimens *u*, *v*, *x* of Salvadori's list of "Xanthotis filigera" in *Orn. Pap.* ii. p. 346.)

♀, Nieura, 21. vii. 1893. Lix coll.

1, "Pt. Moresby." Goldie coll., Gerrard's label.

1, Mt. Gayata, Richardson Range, 2000—4000 ft. Purchased from McIlwraith in London.

1 ♂, 2 ♀♀, Avera, Aroa River, 28. i., 23. ii., 9. iii. 1903. A. S. Meek coll. "Iris brown, bill black, feet blue-slate."

The specimens from the Fly River, from Hall Bay, Naiabni, Nieura, Mt. Gayata and from the Aroa River have darker heads, darker mustaches and a much less rufous tinge on the upperside and wings. All the rufous specimens, however, show by their wide cinnamon edges to the remiges and rectrices that they are more or less immature. In several of our specimens, where these edges are wide and conspicuous, fresh feathers appearing are dark brown without cinnamon outer edges, exactly as in the birds from the Fly River, Hall Bay, Naiabni, Nieura and Mt. Gayata.

39. *Ptilotis chrysotis madaraszi* subsp. nov.

Differs from the adult *P. c. visi* by the conspicuous black line running from the base of the lower jaw under the eyes to the ear-coverts, a generally larger bill and wing.

It inhabits the coast of the Hnon Gulf in Southern Kaiser Wilhelm's Land.

♂ ad., Simbang, 7. ix. 1899. E. Nyman coll. (*Type*.)

2 ♂♂, 1 ♀, Simbang, August 1899. E. Nyman coll.

The Hungarian National Museum in Budapest has a specimen from Simbang, collected by Biro.

40. *Ptilotis chrysotis meyeri* (Salvad.).

Ptilotis meyeri Salvadori, *Ann. Mus. Civ.* vii. p. 947 (1875 : Jobi).

1 ♂, Ansus, Jobi, April 1897. W. Doherty coll.

8 ♂♂, Marai, Jobi, April 1897. W. Doherty coll.

3 ♂♂, 2 ♀♀, Takar, October 1896. W. Doherty coll.

It reaches as far as Friedrich Wilhelmshafen and Erima in German New Guinea. Biro coll., Mus. Budapest.

♂ ad., Stephansort, 20. xii. 1899. E. Nyman coll.

The bills of the Kaiser Wilhelm's Land examples are partly, but not all, rather larger.

Our new *P. c. madaraszi* is so near to *meyeri*, and connects the latter so stupendously with *P. c. visi*, that we must put *meyeri* as a subspecies of *filigera*. *P. c. meyeri* differs from *P. c. madaraszi* (adult) by the more greyish underside, inconspicuous blackish line under the eyes and somewhat less powerful bill. The young of *P. c. meyeri* (?) and *P. c. madaraszi*) are like the adult, only with broad rufous edges to wings and tail, but not all over rufous.

41. *Ptilotis spilogaster* Grant.

Ptilotis spilogaster Grant, *Ibis* 1896. p. 251 ("Port Moresby"? errore).

♂ ♀, Fergusson Island, October 1894. A. S. Meek coll.

♂ ♀, Fergusson Island, 10, 13. vi. 1897. A. S. Meek coll., Nos. 588, 601.
"Iris brown, feet pale blue slate (light chalky blue), bill black."

♂, Goodenough Island, D'Entrecasteaux group, 12. xii. 1896. A. S. Meek coll., No. 46.

Mr. Grant described *P. spilogaster* from two specimens collected by Mr. A. Goldie, said to be from Port Moresby and the Astrolabe Mountains. Considering the numerous errors in the localities indicated on the specimens collected by Mr. Goldie, and that the only certain localities known for *P. spilogaster* are Fergusson and Goodenough, we are convinced that this form is entirely confined to the D'Entrecasteaux Is.

The very wide stripe beyond the eye and spotted abdomen make *P. spilogaster* a very conspicuous form.

42. *Ptilotis polygramma* Gray.

Ptilotis polygramma Gray, *P.Z.S.* 1861. p. 429 (Waigiu).

2 ♂♂, 1 ♀, December 1902. J. Waterstradt coll.

2 ♂♂, 3 ♀♀ (all more or less immature), January 1900. H. Kühn coll., Nos. 1795, 1805, 1890, 1891, 2018.

1 Mt. Victoria, Owen Stanley Range, 5000—7000 ft., April—June 1896 (Nat. coll.).

1 ♂, Suku, British New Guinea, 31. viii. 1898. A. S. Anthony coll.

1 ♀, Oriori, British New Guinea, 15. i. 1896. A. S. Anthony coll.

1 ♀, Mt. Cameron, Owen Stanley Range, 3000 ft., 16. viii. 1896. A. S. Anthony coll.

5, Mt. Gayata, Richardson Range, 2000—4000 ft. E. Weiske coll.

2 ♂♂, 2 ♀♀, 2 juv., Avera, Aroa River, 17, 21, 23. i. 1903. A. S. Meek coll., Nos. A 21, 22, 24, 29, 65, 242.

1, Ambernoh River. J. Damas coll.

1, Mt. Maori, near Humboldt Bay, January 1899. J. Damas coll.

The Budapest Museum received it from the Sattelberg, in German New Guinea.

This pretty little bird differs in style of coloration from all other forms of the genus *Ptilotis*. We have not, however, attempted to separate it, because there do not seem to be important structural differences. We have also not separated *Xanthotis* from *Ptilotis*, because if this is done some more splitting becomes necessary, as the species with fully feathered sides of the head (*cinerea*, *plumbea*, *praeoccipua*, *finschi*, and others) would have to be separated with even more reason from *Ptilotis* or *Xanthotis* than these two latter genera from each other.

43. *Ptilotis finschi* spec. nov.

Above warm brown with the feathers darker in the middle, rump somewhat brighter and more uniform, feathers of crown very dark in the centre, edged with olive-brown. Rectrices brown with rufous-olive borders, inner webs below with cinnamon edges. Wings warm brown, outwardly edged with yellowish olive, inwardly very widely bordered with bright cinnamon. Under wing-coverts bright cinnamon. Under surface brown, throat and middle of underside paler, more yellowish brown. Wing 93½, tail 76, tarsus 23·1, bill only 16 mm. The small bill, entirely feathered sides of head, and absence of any yellow spots behind the ear-coverts and any elongated feathers there, make this bird very conspicuous. In its general build and these characters it agrees with *P. fulvocinerea* and *proxima* (which may be the same?), which we do not possess, but the colour is quite different.

One specimen from the mountains of British New Guinea, Weiske's preparation, purchased from McIlwraith and McEacharn in London. (*Type*.)

A skin from Milne Bay in the Leyden Museum seems to belong to this same species, which is named in honour of Dr. Otto Finsch.

44. *Eafa maculata* gen. et spec. nov. (Pl. XIV., fig. 1.)*Eafa* gen. nov.

Differs from *Ptilotis* and allied genera by the form of its bill, which is not longer than the head and very wide, not running into a sharp point, but rounded off, just before the tip, with a small indentation on each side (see figure on Pl. XIV.) Nostrils in a long groove reaching nearly to the middle of the bill, protected by a soft operculum. The culmen is nearly straight for its basal half, well curved at its distal half. First primary tapering, not quite half the length of the second, which is 1 cm. shorter than the third; the fourth and fifth are about 2 mm. longer than the third, about equal, and form the tip of the wing. Tail very slightly rounded off, about two-sevenths of the length of the wing. Feet strong, tarsus long. Coloration peculiar.

Eafa maculata spec. nov.

Bill (in skin) brown. Upperside deep olive-brown, with brownish white fringes to the feathers of the head and neck, and somewhat triangular whitish tips to those of the back, rump and tail-coverts; the rump is slightly more greenish and more uniform, the whitish tips being less distinct, the upper tail-coverts much more greenish. Wing-coverts dark brown with greenish edges and faint whitish tips. Quills dark brown with yellowish green outer edges and whitish inner borders. Rectrices deep brown with greenish outer borders, the outermost pair with a large white patch, about 12 mm. long, on the inner web, and a small white tip, the next three pairs with white tips, decreasing in extent from 6 to 2 mm. Underside dark olive-brown with large, more or less roundish, white tips to the feathers, under tail-feathers dark olive-brown with wide whitish borders and tips. Under wing-coverts and axillaries white with dark brown shaft-streaks. Feet (in skin) blackish brown. Wing 75, tail 53, tarsus 19·5, bill from end of feathering 16, just before indentation near tip fully 2 mm. wide.

One specimen, collected in the Eafa district in British New Guinea (Owen Stanley Range) between 1000 and 3000 ft. elevation by A. S. Anthony, purchased from Messrs. Mellwraith and McEacharn in London. Type (No. E 61) in Mus. Tring.

45. **Philemon novaeguineae novaeguineae** (S. Müll.).

Tropidorhynchus Norae Guineae S. Müller, Verh. Nat. Gesch. Ned. Ind., Land- en Volkenkunde, p. 153 (W. coast New Guinea).

- 2 ♂ ♀ ad., Ron Island, November 1896, July 1897. W. Doherty coll.
 - 1 jun. without label, but evidently from Bruijn's hunters.
 - 1 ♀ ad., Batauta, July 1875. Bruijn coll. Specimen q^2 of Salvadori's list in *Orn. Pap.* ii. p. 359).
 - 1 bought by Bruijn from a hunter coming from Salwatti and Waigin.
 - 2, ♂ ♀, Salwatti, May—June 1875. Bruijn coll. (Specimens a^3 and u^2 of Salvadori's list, *l.c.* p. 359.)
 - 1 " ♀," 1 ♂? Mysol, January 1900. H. Kühn coll., Nos. 1912, 1913.
 - " Iris bright red feet plumbeous (blackish plumbeous), bill black."
 - 1 ♀ juv., Mysol, 31. i. 1900. H. Kühn coll., No. 1971. " Iris coffee-brown."
 - 2, " ♂ ♀," Waigin, 4, 11. i. 1903. J. Waterstradt coll.
 - 2 ♀ ♀, Dorey, 1. iv., 4. vi. 1875. Bruijn coll. (Specimens x , c^1 of Salvadori's list, *l.c.* p. 359).
 - 2 ♂ ♂, Dorey, October 1896. W. Doherty coll.
 - 4 ♀ ♀, Dorey, June 1897. W. Doherty coll. " Iris chestnut, outwardly greyish, bill and feet black, naked skin on head black."
 - 1 ♀, Kapaur, December 1896. W. Doherty coll.
 - 1 said to be from the Ambergoh River (?). Collected by J. Dumas.
 - 1 said to be from Mt. Maori. Collected by J. Dumas. (Both these latter are somewhat small. They were bought from Mr. van Duivenbode, they have no original labels, and their localities were given by word.)
 - 2 ♂ ♂, Hall Bay, 17. iv., 9. vii. 1875. D'Albertis and Tomasinelli coll. (Specimens f^3 , g^3 of Salvadori's list, *l.c.* p. 360.)
 - 1 ♂, Collingwood Bay, 28. vi. 1897. A. S. Meek coll., No. 670. " Iris very dark red."
 - 2 ♀ ♀, Giabu-lengan, Aru Is., 8, 15. v. 1873. Beccari coll., Nos. s^3 , t^3 of Salvadori's list, *l.c.* p. 360.
 - 1 ♀, Lutor, Aru Is., 20. vi. 1873. Beccari coll. (No. u^3 of Salvadori's list, *l.c.* p. 360.)
 - 1 ♀ juv., Dobbo, Aru Is., 17. xii. 1883. Guillemard coll.
 - 1 ♂, Wokan, Aru Is., 5. xii. 1883. Powell coll.
 - 4 ad., Dobbo, Aru Is., 6. vi. 1896. C. Webster coll.
 - 2 ♂, Dobbo, Aru Is., 28. xi. 1897. H. Kühn coll., Nos. 332, 333. " Iris chocolate-brown."
 - 1 ♂, Wokan, Aru Is., 26. ix. 1900. H. Kühn coll., No. 2586.
 - 2 ♀ ♀, Wanambai, Kobroor, Aru Is., 1, 2. ix. 1900. H. Kühn coll., Nos. 2433, 2434. " Iris dirty coffee-brown."
- Dr. A. B. Meyer has separated the Aru form under the name of "*Tropidorhynchus aruensis*," but we are not able to separate it. None of the characters

given by its describer hold good. The lighter colour of the crown (and body) is due to the age of the feathers, freshly moulted specimens being dark, worn ones light. This is illustrated by moulted specimens before us. The bill is not longer, the hump generally not larger. It is true that some individuals have exceptionally large humps at the base of the bill, but they are reached by some examples from Ron and Dorey.

46. *Philemon novaeguineae subtuberosus* Hart.

Philemon novaeguineae subtuberosus Hartert, Nov. Zool. 1896, p. 238 (Fergusson, Meek coll.).

- 1 ♂ ad., Fergusson Island, 9. x. 1894. A. S. Meek coll.
- 2 ♂♂, 1 ♀, Fergusson Island, October 1894. A. S. Meek coll.
- 2, ♂♀, Fergusson Island, 20. v., 10. vi. 1897. A. S. Meek coll., Nos. 317, 580. "Iris brown (dark brown), feet pale bluish slate (dark bluish grey), bill black."
- 1 ♀, Goodenough Island, December 1896. A. S. Meek coll., No. 25.

47. *Philemon novaeguineae jobiensis* Mey.

Philemon jobiensis A. B. Meyer, Sitzber. Ak. Wiss. Wien lxx. p. 113 (1874 : Jobi).

- 3 ♂♂, 1 ♀, Marai, Jobi, April 1897. W. Doherty coll.
- 3 ♂♂. Ansus, Jobi, May 1897. W. Doherty coll.
- 1 ad., Konstantinhafen. Rehn coll. (Received in exchange from Berlepsch.)
- 1 ♂, Stephansort, 22. i. 1899. E, Nyman coll.
- 1 ♀, Kafu, May 1884. Bruijn coll. (Wing moulting, size doubtful.)
- 6 "♂♂," 1 "♀," Takar, October 1896. W. Doherty coll. "Iris grey-brown, feet dark grey, bill, bare skin on head black."
- 1 said to be from the Ambergnoh River. J. Dumas coll. (Purchased from Mr. van Duivenbode.)

The Takar specimens are very small, but some are not quite adult, others apparently wrongly sexed (?). We therefore refrain for the present from separating them from *jobiensis*.

We believe that we are perfectly justified in considering *jobiensis* to be a subspecies of *novaeguineae*. The specimens of *P. n. novaeguineae* said to be from the Ambergnoh River and Mt. Maori have no original labels and their locality is therefore doubtful. So far we have no proof of *Ph. jobiensis* and typical *novaeguineae* coming from the same place.

48. *Philemon meyeri* Salvad.

Philemon meyeri Salvadori Ann. Mus. Civ. Gen. xii. p. 339 (1878 : Rubi).

- 1, Mt. Cameron, Owen Stanley Range, August—September 1896. A. S. Anthony coll.
- 1 juv., "Fly River," purchased from H. Whitley.
- 1, "N.E. coast of Dutch New Guinea." J. Dumas coll.
- 1 ad., 1 juv., "Ambergnoh River." J. Dumas coll.
- 1 ♀ ad., Konstantinhafen, 8. i. 1895. Kubary coll.

49. **Pycnopygius stictocephalus** (Salvad.).

Pycnonotus? stictocephalus Salvadori, *Ann. Mus. Civ. Gen.* ix. p. 34 (1876 : Naiabui, British New Guinea).

One specimen obtained at Wanambai, Arn, by Capt. C. Webster, 23. vi 1896, skinned from spirits, agrees in every way with the description of *P. stictocephalus*. The upper throat is blackish brown with whitish shaft-streaks to the feathers.

50. **Euthyrhynchus flavigula** Schleg.

Euthyrhynchus flavigula Schlegel, *Ned. Tijdschr. Dierk.* iv. p. 40 (1871 : W. of Geelvink Bay).

1 ♂, Andai, 3. xi. 1883. Guillemard coll. "Iris gaenboge, bill horn-colour, tarsus slate-blue."

1 ♂, Takar, November 1896. W. Doherty coll. "Iris pale creamy, feet pale purplish, bill blackish above, pale corneous below, commissure ochreous."

These two birds agree well with the description and figure of *E. flavigula*. We have no material to prove the identity or otherwise of *E. flavigula* and *E. griseigula*.

51. **Euthyrhynchus fulviventris** (Rams.).

Plectorhyncha fulviventris Ramsay, *Proc. Linn. Soc. N.S.W.* 1882. p. 718 (Mts. S.E. New Guinea).

1 ♂, Mt. Cameron, 13. viii. 1896. A. S. Anthony coll. "Iris deep brown, feet whitish, bill grey."

♂ ?, Milne Bay, 20. ii. 1899. "Iris brown, feet light lavender, bill light brown, base dark brown."

E. fulviventris can only be a subspecies of one of the northern forms, but the nomenclature of the latter is not clear to us.

52. **Euthyrhynchus fulvigula meyeri** Salvad.

Euthyrhynchus meyeri Salvadori, *Ann. Mus. Civ. Gen.* xxxvi. p. 97 (1896 : Moroka).

1 ♂, 3 ♀♀, Mt. Cameron, 6000 ft. 20, 26. viii. 1896. A. S. Anthony coll.

3 Eaſa district, 1000—3000 ft. Purchased from McIlwraith & Co.

1 ♂ Avera, Aroa River, 12. iii. 1903. A. S. Meek coll., No. A 405.

"Iris kid-fawn, feet pale chocolate, bill dark brown and slate."

XXVII. ZOSTEROPS.

1. **Zosterops novaeguineae** Salvad.

Zosterops novaeguineae Salvadori, *Ann. Mus. Civ. Gen.* xii. p. 341 (Arfak).

3 ♂♂, 1 ♀, Hatam Arfak, 1879. Brniju coll.

1 ♂, Wokan, Arn Is., 26. ix. 1900. H. Kühn coll. "Iris greyish brown, feet ash-grey, bill black."

2. *Zosterops minor* Mey.

Zosterops albiventer minor A. B. Meyer, *Sitzber. Ak. Wiss. Wien* lxx, p. 115 (1874 : Jobi).
Zosterops aureogula Salvadori, *Ann. Mus. Civ. Gen.* xii, p. 340 (1878 : Jobi).

2 ♂♂, Ansus, Jobi, May 1897. W. Doherty coll.

2 ♂♂, 1 ♀, Marai, Jobi, May 1897. W. Doherty coll. "Iris red-brown, feet bluish-grey, bill blackish."

The white ring round the eyes is only indicated in this species.

3. *Zosterops crissalis* Sharpe.

Zosterops crissalis Sharpe, *Cat. B. Brit. Mus.* ix, p. 165 (1884 : Astrolabe Mts.).

2, Mt. Cameron, 31. vii., 8. viii. 1896. A. S. Anthony coll.

2 ♂♂, Kotoi district, Brit. New Guinea, 4000 ft., 12. viii. 1898. A. S. Anthony coll.

1, Moroka district, Brit. New Guinea, 3000—6000 ft. (Native coll.?). Purchased from McIlwraith and McEacharn.

2, Mountains of British New Guinea. E. Weiske coll.

3 ♂♂, 3 ♀♀, Avera, Aroa River, 21, 28, 31. i., 1. ii., 4, 14. iii. 1903. A. S. Meek coll., Nos. A 25, 140, 166, 175, 353, 416.

4. *Zosterops chrysolaema* Salvad.

Zosterops chrysolaema Salvadori, *Ann. Mus. Civ. Gen.* vii, p. 954 (1880 : Arfak).

2 ♂♂ ad., Kapaur, December 1896. W. Doherty coll. "Iris red-brown."

Resembles *Z. minor*, but has a wide white ring round the eyes, black lores, darker crown and altogether darker and more brownish green upperside.

5. *Zosterops delicatula* Sharpe.

Zosterops delicatula Sharpe, *Journ. Linn. Soc.* xvi, p. 318 (Astrolabe Mts., Goldie coll.).

1, Kotoi district, 1898. A. S. Anthony coll.

1, Moroka district, 3000—6000 ft.

2, between rivers Laroki and Vanapa, British New Guinea. E. Weiske coll. 1899.

1, Mt. Gayata, 2000—4000 ft. E. Weiske coll.

1 ♂, Milne Bay, 9. ii. 1899. A. S. Meek coll., No. 2284. "Iris brown, feet slate, bill black."

4 ♂♂, 3 ♀♀, Fergusson Island, 29, 31. v., 2, 3. vi. 1897. A. S. Meek coll., Nos. 449, 471, 508, 509, 512, 517, 519.

6. *Zosterops meeki* Hart.

Zosterops meeki Hartert, *Nov. Zool.* v, p. 528 (1898 : Sudest I.).

1 ♂ ad., Sudest Island, Louisiades, 18. iv. 1898. (No. 1753.) *Type*. A. S. Meek coll.

1 ♀ ad., Sudest Island, 18. iv. 1898. A. S. Meek coll., No. 1754.

Differs from *Z. delicatula* chiefly in the entirely white underside.

7. *Zosterops hypoxantha* Salvad.*Zosterops hypoxantha* Salvadori, *Atti. Acc. Tor.* xvi. p. 623 (New Britain).

1, New Ireland. Missionary coll.

2, New Hanover, February 1897. Capt. C. Webster coll. (Ex spirits !)

8. *Zosterops fuscicapilla* Salvad.*Zosterops fuscicapilla* Salvadori, *Ann. Mus. Gen.* vii. p. 955 (Arfak).

3 ♂♂, 3 ♀♀, Hatam, Arfak Mts., 1879. Bruijn coll.

1 without label, Bruijn's preparation.

9. *Zosterops chloris* Bp.*Zosterops chloris* Bonaparte, *Consp. Av.* i. p. 398 (1850 : Banda). See anteā, pp. 249, 250.

6 ♂♂, 2 ♀♀, Pulu Babi, Aru Is., 23. ix. 1900. H. Kühn coll. "Iris chocolate (deep coffee-brown, greyish coffee-brown), feet bluish ash-grey (ash-grey, bright ash-grey), bill black, base of mandible grey."

10. *Zosterops pallidipes* De Vis.*Zosterops pallidipes* De Vis, *Rep. Brit. New Guinea* 1888-89 p. 60 (1890 : Rossel I.).

6 ♂♂, 3 ♀♀, Rossel I., Louisiade group, January, February, March 1898. Nos. 1245, 1374, 1470, 1503, 1505, 1507, 1539, 1547, 1549.

11. *Zosterops aignani* Hart.*Zosterops aignani* Harttert, *Nov. Zool.* vi. p. 210 (Aignan I.).1 ♂ ad., St. Aignan I., Louisiades 7. xii. 1897. A. S. Meek coll., No. 1132. (*Type!*)

3 ♂♂, 4 ♀♀, St. Aignan, September, November, December 1897. A. S. Meek coll., Nos. 723, 968, 969, 971, 972, 1057, 1197.

XXVIII. HIRUNDINIDAE.

1. *Hirundo rustica gutturalis* Scop.

♂ Pegan (Pigen) in the St. Davids, Mapia, or Freewill group, October 1896. "Iris deep brown, bill and feet black."

(72 skins from other localities.)

2. *Hirundo javanica* Sparrm.

4 ♂♂, 1 ♀, Kapanr, January 1897. W. Doherty coll.

1 ♂, 1 ♀, Mysol, 8, 12. ii. 1900. H. Kühn coll., Nos. 2011, 2024.

1 ♂, Collingwood Bay, 26. vi. 1897. A. S. Meek coll., No. 650.

1 ♂, 1 ♀, Fergusson Island, 30. v. 1897. A. S. Meek coll., Nos. 458, 460.

1 ♀, Mariri, Aru Is., 23. xi. 1897. H. Kühn coll., No. 348. (39 from other localities.)

3. *Hirundo tahitica* Gm.

1, N. coast of New Britain (Neu Pommern). Kubary coll. (7 from other localities.)

XXIX. MUSCICAPIDAE.

1. *Peltops blainvillii* (Less. & Garn.).

Eurylamus blainvillii Lesson et Garnier, *Ferussac Bull. Sc. Nat.* xi. p. 302 (1827 : Dorey).

- 1 ♂, Mysol, 21. xi. 1883. R. F. Powell coll.
 2 ♂♂, Mysol, 25. i., 7. ii. 1900. H. Kühn coll., Nos. 1930, 2019. "Iris dark vermilion, bill and feet black."
 2 ♂♂, 1 ♀, Kapaur, 3000 ft., December 1896. W. Doherty coll.
 1 ♂, Sorong, June 1872. D'Albertis coll., No. 239. (Specimen *b* of Salvadori's list, *Orn. Pap.* ii. p. 9.)
 2, ♂ ♀, Arfak, June 1874. Bruijn coll. (Specimens *k*, *l* of Salvadori's list, *Orn. Pap.* ii. p. 9.)
 2 ♂♂, Arfak, 24. iv., 8. v. 1875. Bruijn coll. (Specimens *n*, *q* of Salvadori's list, *l.c.*)
 2, ♂ ♀, Arfak, 1879. Bruijn coll.
 1, Humboldt Bay. J. M. Dumas coll.
 1, German New Guinea. Cotton & Webster coll.
 1 ♀, 2 ♂♂ (?), Stephansort, German New Guinea, December 1898, December 1899. Nyman coll.
 4 ♂♂, 2 ♀♀, Milne Bay, 1, 9, 17. ii., 8. iv. 1899. A. S. Meek coll., Nos. 2223, 2224, 2283, 2349, 2447, 2448.
 2 ♂♂, 1 ♀, Sogere, Owen Stanley Mts., October—November 1885 (1750—2000 ft.). H. O. Forbes coll., Nos. 6, 41, 185.
 1, West of Port Moresby, April 1896. A. S. Anthony coll.
 1 ♂, 1 ♀, Oriori district, 2. ii. 1896. A. S. Anthony coll.
 1, Mt. Cameron, 8. ix. 1896. A. S. Anthony coll.
 3 ♂♂, 1 ♀, Avera, Aroa River, 21, 30. i., 9, 27. ii. 1903. A. S. Meek coll., Nos. A 28, 152, 224, 311.

Peltops minor de Vis, Rep. New Guinea for 1893, p. 2, is doubtless based on a young and apparently partially aberrant specimen. Our specimens from British New Guinea average in no way smaller, and the largest of all, with a wing measuring 115 mm., is among them.

2. *Monarcha inornata inornata* (Garn.).

Muscicapa inornata Garn., *Voy. Coqu. Zool. Atlas Pl. xvi. fig. 2* (1826 : Dorey.) (This is the oldest name, not *cinerascens* Temm.)

- 1 ♂, 3 ♀♀, Mysol, 9—21. i. 1900. H. Kühn coll., Nos. 1790, 1790, 1879, 2012.
 1, Tifore, August 1875. Bruijn coll. (Specimen *u* of Salvadori's list in *Orn. Pap.* ii. p. 15.)
 1, Amboina, November 1873.
 4 ♂♂, 1 ♀, Yamua Island, October—November 1896. W. Doherty coll.
 1 ♀, Credner I., 22. xi. 1880. Th. Kleinschmidt coll., No. 586.
 1 ♀ ?, Nannha (?) I., near New Britain. Th. Kleinschmidt coll.
 2, "New Ireland." Missionary coll.
 2 ♂♂, Sudest I., 6, 19. iv. 1898. A. S. Meek coll., Nos. 1683, 1764.
 2 ♂♂, 3 ♀♀, St. Aignan I., September, November, December 1897. A. S. Meek coll., Nos. 1000, 1006, 1009, 1059, 1195.

4 ♂♂, 2 ♀♀, Rossel I., January, February, March 1898. A. S. Meek coll., Nos. 1253, 1259, 1385, 1388, 1461, 1581.

The Yamna birds are indistinguishable. Meyer's *fuscescens* (type from Yamna) undoubtedly based on immature birds.

3. *Monarcha inornata* *geelwinkianus* Mey.

Monarcha geelwinkianus A. B. Meyer, Sitzungsber & Abh., Ges. Isis 1884, Abh. i. p. 23 (Misori Jobi).

3 ♂♂, 1 ♀, 3 unsexed, Mayfor, May—June 1897. W. Doherty coll.

The deeper chestnut-brown abdomen and lighter grey distinguish this form well from typical *inornata*. It rather resembles another form, *i.e.* *M. i. hisserensis*, from the South-East and South-West Islands.

4. *Monarcha melanopsis* (Vieill.).

Muscicapa melanopsis Vieillot, Nouv. Dict. xxi. p. 450 (1818), nine from Australia.

1 ♀, Mt. Cameron, Owen Stanley Range, 2000 ft., 19. viii. 1896. Anthony coll. 1, Nienra. Lix coll.

1, British New Guinea. Goldie coll.

2 ♂♂, 2 ♀♀, Milne Bay, February, April 1899, November 1898. A. S. Meek coll., Nos. 2147, 2338, 2476, 2486.

3 ♂♂, 1 ♀, Fergusson Island, September 1894, May—June 1897. A. S. Meek coll., Nos. 236, 600.

2 ♂♀, Sudest Island, April 1898. A. S. Meek coll., Nos. 1697, 1783.

1 ♀ jun., Trobriand Island, 13. iii. 1895. A. S. Meek coll.

This specimen has (Nov. Zool. 1896, p. 241) been recorded as *Monarcha inornata*, but we believe now that it is a young specimen of *M. melanopsis*, though it is hardly possible to say for certain which it may be, the young *M. inornata* and *melanopsis* being apparently indistinguishable.

2 ♂♂, 1 ♀?, Goodenough Island, December 1896. A. S. Meek coll., Nos. 68, 69, 73.

1 ♂, 2 ♀♀, Simbang, German New Guinea, August—September 1899. Nyman coll.

5. *Monarcha periophthalmicus* Sharpe.

Monarcha periophthalmicus Sharpe, Journ. Linn. Soc. London, Zool. xvi. pp. 318, 430 (1882 : S. E. New Guinea).

Probably only a subspecies of *M. frater*.

1 (apparently not quite adult, with black spots all over the pileum). Mountains of British New Guinea, 1894. Anthony coll.

1 "♀," Oriori district, 19. i. 1895. A. S. Anthony coll.

3 ♂♂, 3 ♀♀, Avera, Aroa River, 19, 20, 21. i., 26. ii., 19. iii. 1903. A. S. Meek coll., Nos. A 8, 15, 23, 307, 424, 435. "Iris light brown, bill and feet dark slate-blue."

6. *Monarcha frater* ScL.

Monarcha frater ScL, P. Z. S. 1873, p. 691 (Arfak, Hatam).

1, Mt. Maori, near Humboldt Bay, January 1899. J. Dumas coll.

7. **Monarcha melanoptera** Gray.*Monarcha melanoptera* Gray, P. Z. S. 1858 p. 178 (Louisiades Is.).

7, St. Aignan, 2, Rossel I., Louisiades. A. S. Meek coll.

8. **Monarcha guttula** (Garn.).*Muscicapa guttula* Garn., Voy. Coqu., Zool. i. 2 p. 591 Pl. 16 f. 2 (1828 : Dorey).

- 1 ♂, Mysol, 8. ii. 1900. H. Kühn coll., No. 2015.
- 1, Andai, 1872. D'Albertis coll. (Specimen *b* of Salvadori's list in *Orn. Pap.* ii. p. 22.)
- 1 ♀. Andai, June 1874. Bruijn coll. (Specimen *c* of the above list.)
- 1 ♀, " " " " " (Specimen *e* of the above list.)
- 3 ♂♂, 1 ♀, Takar, October 1896. W. Doherty coll.
- 1 ♀, Ansns, Jobi, April 1874. Bruijn coll. (Specimen *t* of the above list.)
- 2 ♂♂, 1 ♀, Ansus, Jobi, April 1897. W. Doherty coll.
- 1, Mariati, Sorong, 24. vi. 1875. Beccari coll. (Specimen *l* of the above list.)
- 1 ♂, Sattelberg, German New Guinea, 29. vi. 1899. E. Nyman coll.
- 1 ♂, Simbang, 30. viii. 1899. E. Nyman coll.
- 1 ♂ jun., Collingwood Bay, 10. vi. 1899. A. S. Meek coll., No. 2594. "Iris dark brown, bill and feet slaty-blue."
- 1 ♂ ad., Milne Bay, 18. iv. 1899. A. S. Meek coll., No. 2477.
- 1 ♂, Kone district, British New Guinea, June 1898. A. S. Anthony coll.
- 1, British New Guinea. E. Weiske coll.
- 1, Fly River (fide Whitley.)
- 1 ♂, 1 ♀, Sudest I., Louisiades, 23. iii., 2. iv. 1898. A. S. Meek coll., Nos. 1593, 1649.
- 1 ♂, 2 ♀♀, 2 ♂ juv., Fergusson I., 4, 10. x., 18, 22. xii. 1894, 18. vi. 1897. A. S. Meek coll., No. 640.
- 1 ♂, 1 ♀, Goodenough I., 2, 9. xii., 1896. A. S. Meek coll.
- 3 ♂♂, St. Aignan I., 31. vii., 5. viii., 5. ix. 1897. A. S. Meek coll., Nos. 727, 753, 965.
- 1 ♂, Trangan, 16. ix. 1900. H. Kühn coll., No. 2621.
- 1 ♀, Dobbo, Aru, February 1897. W. Doherty coll.
- 1, " " 28. v. 1896. C. Webster coll.
- 2 ♂♂, 1 ♀ juv. Sg. Bark, Kobroor, Aru Is., 20, 21, 22. viii. 1900. H. Kühn coll., No. 2267, 2282.
- 1 ♀, Wokan, Aru, 28. ix. 1900. H. Kühn coll., No. 2623.
- 1 ♂, 1 ♀, Waigiu, 16, 17. xii. 1902. J. Waterstradt coll.
- 1 ♂, Batanta, July 1875. Bruijn coll. (Specimen *q* of Salvadori's list, *Orn. Pap.* ii. p. 22.)
- 1, "Ambernoch River." J. Dumas coll.

9. **Monarcha leucotis** Gould.*Monarcha leucotis* Gould, P. Z. S. 1850. p. 201 (Australia.)

6 specimens from Australia.

We have not received this species from the Louisiades. Possibly the occurrence there is erroneously recorded.

10. *Monarcha chalybeocephalus chalybeocephalus* (Garn.)

Muscicapa chalybeocephalus Garn., *Voy. Coqu., Zool., Atlas Pl. XV.* fig. 1 (♀) (1826 : New Ireland !).

5 ♂ ad., 2 ♀ juv., New Ireland. Missionary coll.

1 ♂ ad., 1 ♀ juv., New Britain 1886. Knbury coll.

1 ♂ ad., Mountains of British New Guinea. A. S. Anthony coll.

1 ♀, Brown River 1898. E. Weiske coll.

1 ♂ juv., Port Moresby (fide Gerrard).

1 ♂ ad., Milne Bay, 19. iv. 1899. A. S. Meek coll., No. 2483. "Iris dark brown, feet black, bill slate-blue."

1 ♂ ad., Sariba I., 17. vii. 1900. A. S. Meek coll., No. 2701.

2 ♂ ad., 1 ♂ juv., Simbang, German New Guinea, 19, 23. viii. 1899.

E. Nyman coll.

1 ♂ ad., 1 ♂ juv., Stephansort, December 1899. E. Nyman coll.

1 ♂, 1 ♀ ad., Takar, October—November 1896. W. Doherty coll.

1 ♂, 1 ♀, Ramoi, 4, 5. ii. 1875. Beccari coll. (Specimens *r* and *i* of Salvadori's list, *Orn. Pap.* ii. p. 33.)

1 ♂ ad., Andai, 2. vi. 1875. Beccari coll. (Specimen *k* of the above list.)

4 ♂ ad., Dorey, Jnne 1897. W. Doherty coll.

1 ♂, 1 ♀, Dorey, 16. iv. 1875, August 1874. Bruijn coll. (Specimens *a'*, *b* of Salvadori's list.)

1 ♂, 1 ♀ ad., Kapaur, November 1896, January 1897. W. Doherty coll. "Iris deep brown, bill pale blue, tip and commissure narrowly black, feet dull blue."

1 ♂ ad., Marai, Jobi, April 1897. W. Doherty coll.

1 ♂, Asna, Jobi, April 1897. W. Doherty coll.

1 ♂, 1 ♀, Ausus, Jobi, April and May 1897. W. Doherty coll.

4 ♂♂, 2 ♀ ad., Ron I., June—July 1897. W. Doherty coll.

1 ♀, "Kordo" 1879. Bruijn coll.

1 ♂, Yamma I., 1879. Bruijn coll.

8 ♂ ad., 6 ♀ ad., 1 ♂ juv., Masor, October 1896, May—June 1897.

W. Doherty coll.

3 ♂♂, 2 ♀♀, Mysol, 10, 11, 12, 15, 18. i. 1900. H. Kühn coll., Nos. 1813, 1815, 1816, 1817, 1818. "Iris dark coffee-brown, feet dark ash-grey, bill ash-grey with black tip."

1 ♂, Mysol, November 1883. H. Guillémaud coll. ("Length, 180 mm.")

1 ♂, 1 ♀, Waigiu, 30. xi., 15. xii. 1902. J. Waterstradt coll.

11. *Monarcha chalybeocephalus* subsp.

2 ♂♂, 1 ♀, Fergusson Island, September, October 1894. A. S. Meek coll.

1 ♂, 1 ♀ ad., Goodenough Island, 19. xii. 1896. A. S. Meek coll., Nos. 87, 88).

2 ♂ ad., 1 ♀, Trobriand Is. (one with large black chin-spot), 18. iii., 15. v. 1895. A. S. Meek coll.

1 ♂ ad., Woodlark Island, 3. viii. 1895. A. S. Meek coll.

3 ♂♂, 3 ♀♀, Woodlark Island, 19, 24. iii., 16, 26, 28, 29. iv. 1897. A. S. Meek coll., Nos. 136, 155, 221, 229, 233, 236.

These specimens were recorded by Hartert as *M. chalybeocephala*, with the remark that some had a larger bill. Rothschild considers the size of the

beak so much larger that he would rather unite them to *M. chalybeocephalus lucidus*, but as our specimens of true *lucidus* from the Louisiades have on an average still larger bills, we have agreed to leave the actual status of these birds undecided.

12. *Monarcha chalybeocephalus lucida* (G. R. Gray).

Myiagra lucida Gray, P. Z. S. 1858. pp. 176, 192 (Louisiade Is.).

6 ♂♂, 3 ♀♀, St. Aignan, 4, 21, 23, 31, 24. viii., 3. ix. 1897. A. S. Meek coll., Nos. 750, 751, 752, 870, 875, 935—937, 956.

3 ♂♂, 3 ♀♀, Sandes Island, 23. iii., 1, 6, 9, 14, 17. iv. 1898. A. S. Meek coll., Nos. 1592, 1638, 1682, 1698, 1728, 1751.

This subspecies is only known from the Louisiades. It differs only by its larger bill.

13. *Monarcha chalybeocephalus rufolateralis* (Gray).

Piegorhynchus rufolateralis Gray, P. Z. S. 1858. pp. 177, 192 (Aru Is.).

3 ♂♂, 2 ♀♀, Wokan, Aru Is., 17. viii., 25. ix. 1900. H. Kühn coll., Nos. 2693, 2270, 2272, 2274, 2275. "Iris blackish brown, feet greyish black, bill dark bluish grey with black tip, gape 'meunigroth.'"

1 ♂ ad., Sg. Barkai, 20. ii. 1900. H. Kühn coll., No. 2271.

1 ♂ juv., Wanambai, Kobroor, 31. viii. 1900. H. Kühn coll., No. 2273.

14. *Monarcha verticalis* Scl.

Monarcha verticalis Scl., P. Z. S. 1877. p. 99. Pl. XIX. ("Duke of York Is.").

2, New Ireland. (Missionary coll.) .

15. *Monarcha menadensis* (Quoy & Gaim.).

Muscicapa menadensis Quoy et Gaimard, Voy. Astrol. p. 176. Pl. III. fig. 3 (1833).

Monarcha dichroous auctorum.

1, New Guinea (?) Beccari coll. (Specimen c of Salvadori's list, *Orn. Pap.* ii. p. 29.)

1, "Mt. Maori, near Humboldt Bay, January 1899. J. M. Dumas coll.

1 ♀, Simbang, German New Guinea, 31. viii. 1899. E. Nyman coll.

1 ♀, Collingwood Bay, 17. vi. 1899. A. S. Meek coll., No. 2623. "Iris dark brown, bill and feet slate-blue."

1, Mt. Cameron, 8. ix. 1896. A. S. Anthouy coll.

2 ♂♂, 1 ♀, Kapaur, December 1896, January, February 1897. W. Doherty coll.

16. *Monarcha axillaris* Salvad.

Monarcha axillaris Salvadori, Ann. Mus. Civ. Gen. vii. p. 921 (Arfak).

3 ♂ ad., Avera, Aroa River, 2, 5, 16. ii. 1903. A. S. Meek coll., Nos. A 181, 206, 239. "Iris dark brown, bill chalky blue, feet dark slaty blue."

1 ♀ (or immature), Moroka district, British New Guinea, 3000—6000 ft.

17. *Monarcha chrysomela chrysomela* (Less.).

Muscicapa chrysomela Lesson, Voy. Coqu., Zool. i. p. 344 (New Ireland).

2 ♂ ad., New Ireland. (Missionary coll.)

18. **Monarcha chrysomela kordensis** Mey.*Monarcha kordensis* Meyer, *Sitzungsber. k. Akad. Wiss. Wien* ixix, p. 202 (1874 : Mysori).

1 ♂ ad., Kordo, 1879. Bruijn coll.

19. **Monarcha chrysomela aurantiacus** Mey.*Monarcha melanotus aurantiacus* A. B. Meyer, *Abh. & Ber. Mus. Dresden* 1890-91, Art. 4. p. 9 (1892 : Kafu and Stephansort).

1 ♂ ad., Wensudu, N. coast, 139°, November 1896. W. Doherty, purchased from native.

2 ♂♂, 2 ♀♀, Takar, October 1896. W. Doherty coll. "Iris very deep brown, feet blue-black, bill slaty-blue, culmen and commissure black."

1 ♂ ad., Stephansort, 3. i. 1899. E. Nyman coll.

This form differs from *M. c. melanotus* in its slightly smaller size and deeper yellow colour. This is also noticeable in the females, which have a brighter abdomen and somewhat less of the olive tint on the breast. In size this subspecies is somewhat intermediate between *melanonotus* and *aruensis*.20. **Monarcha chrysomela melanotus** ScL.*Monarcha melanotus* Slater, *P. Z. S.* 1877, p. 100 (New Guinea).4 ♂ ad., Andai, June 1874, 7. iv., 19, 29. v. 1875. Bruijn coll. (Specimens b, d, e, i of Salvadori's list, *Orn. Pap.* ii. p. 39.)

1 ♂, Arfak, 1879. Bruijn coll.

4 ♂ ad., 2 ♂ juv., 1 ♀, Kapaur, December 1896. W. Doherty coll.

6 ♂♂, 1 ♀? Mysol, 10, 13, 14, 15, 20, 22, 25. i. 1900. H. Kühn coll., Nos. 1785—1789, 1882, 1929.

1 ♂, Mysol. H. Guillemard coll. November 1883. Length 158 mm.

2 ♂♂, 3 ♀♀, Waigin, December 1892. J. Waterstradt coll.

1 ♀, Salwatti I., 1879. Bruijn coll.

21. **Monarcha chrysomela aruensis** Salvad.*Monarcha aruensis* Salvadori, *Ann. Mus. Civ. Gen.* vi. p. 309 (1874 : Aru).

1 ♂, Sg. Bark., Kobroor, 22. viii. 1900. H. Kühn coll.

2 ♂♂, Wanambai, Kobroor, 4. iii., 1. ix. 1900. H. Kühn coll., Nos. 2429, 2431.

1 ♂, 1 ♀, Wokan, Aru, 26, 30. ix. 1900. H. Kühn coll.

5 ♂♂, Avera, Aroa River, 24. i., 23, 28. ii., 1, 7. iii. 1903. A. S. Meek coll., Nos. A 75, 278, 327, 332, 382.

2 ♂♂, Brown River, 1898. E. Weiske coll.

3 ♂♂, Mailu district, July 1895. A. S. Anthony coll.

1 ♀, Kotoi district, August 1898. A. S. Anthony coll.

1 ♂, Oriori district, 19. i. 1896. A. S. Anthony coll.

1 ♂, Nicura. Lix coll.

3 ♂ ad., 1 ♂ juv., Milne Bay, 19. i., 4, 14. ii. 1899. A. S. Meek coll., Nos. 2190, 2252, 2257, 2322.

3 ♂ ad., 3 ♀♀, Fergusson I., September—October 1894. A. S. Meek coll.

1 ♂, Fergusson I., 14. v. 1897. A. S. Meek coll., No. 249.

1 ♂, 1 ♂ juv., Goodenough I., 11, 14. xii. 1896. A. S. Meek coll., Nos. 43, 81.

2 ♂♂, 1 ♀, 1 ♂ juv., Simbang, Huon Gulf, August 1899. E. Nyman coll.

1 ♂ ad., Sattelberg, 11. vii. 1899. E. Nyman coll.

22. **Monarcha rubiensis** (Mey.)

Tchitrea rubiensis A. B. Meyer, *Sitzungsber. k. Akad. Wiss. Wien* Ixix, p. 494 (1874 : Rubi).
Bathmisyrma (?) *rufum* Reichenow, *Orn. Monatsber.* 1897. p. 161 (Oberlauf des Gogol, Kaiser-wilhelmsland).

1 ♂ ad., near Humboldt Bay. J. Dumas coll.

1 ♀, Bismarck Gebirge, 4. vii. 1899. (Ramu Expedition 141A.)

Professor Reichenow states that his specimen was in full moult, and yet founds a new genus principally on the strongly graduated tail, describing the outer rectrices as half as long as the centre ones. In all the other known specimens, however, the outer tail-feathers are only a few millimetres shorter, certainly not more so than in the females of *M. chalybeocephala*, therefore the supposed generic character was entirely due to moult. Although the vibrissae on the gape are actually longer and thicker than in most of the other *Monarchae*, they are in proportion to the size of the species not larger than in *M. chrysomela*.

23. **Arses telescopthalmus telescopthalmus** (Garn.).

Muscicapa telescopthalmus Garn., *Voy. Coqu., Zool.* i. p. 593. pl. 18 (1828 : Dorey).

1 ♂, Dorey, 14. iv. 1875. Bruijn coll. (Specimen *a* of Salvadori's list, *Orn. Pap.* ii. p. 44.)

3 ♂♂, 1 ♀, Dorey, June 1897. W. Doherty coll.

1 ♂, Dorey, October 1896. W. Doherty coll.

1 ♂, Arfak, July, from Bruijn's hunters.

1 ♂, 1 ♀, Andai, 18, 21. v. 1875. Bruijn coll. (Specimens *e* and *g* of Salvadori's list.)

1 ♀, Andai, 1872. D'Albertis coll. (From spirits ! Specimen *a* of Salvadori's list.)

1 ♀, Sorong, 23. vi. 1875. Bruijn coll. (Specimen *u* of Salvadori's list.)

1 ♀, Warbusi, 24. iii. 1875. Beccari coll. (Specimen *t* of Salvadori's list.)

2 ♂♀, "Ambernoh River." J. Dumas coll.

2 ♂♂, 4 ♀♀, Kapaur, December 1896. W. Doherty coll.

1 ♂, Triton Bay, 25. vii. 1900. Capt. C. Webster coll. (From spirits !)

2 ♂♂, 1 ♀, Mysol, 16, 18, 22. i. 1900. H. Kühn coll., Nos. 1769, 1770, 1893. "♂, Iris darkest brown (black), eyelid ultramarine-blue, feet dark bluish grey, bill ash-grey."

1 ♂, New Guinea (probably Arfak peninsula). (Ex Coll. Elwes. Small white patch on nape, aberration.)

The specimens from Mysol, as shown by their size, are this form, not *batantae*. The ♀ has the breast also dark, not as pale as in *batantae*, the crown, however, is rather pale, maybe due to immaturity.

24. **Arses telescopthalmus batantae** Sharpe.

Arses batantae Sharpe, *Notes Leyden Mus.* i. no. 5. p. 20 (Batanta).

2 ♂♂, 2 ♀♀, Batanta, 23. x. 1883 (2 without dates). From the *Marchesa* Expedition.)

1 ♂, 1 ♀, Batanta, 20, 22. x. 1883. Guillemaud coll.

2 ♂♂, 2 ♀♀, Waigin, December 1902, January 1903. J. Waterstradt coll.

This subspecies differs from *A. t. telescophthalmus* in being considerably larger, the female in having a lighter breast and lighter slaty-grey crown. Dr. Finsch (*Notes Leyden Mus.*, xxii. p. 56) unites the two forms erroneously. It is true that Dr. Sharpe's alleged difference of the colour of the eyelids is apparently not constant, but the other differences remain. Dr. Finsch denies the larger size, but gives the measurements of *batantae* as: ♂ wing 84—92, ♀ 84—87; of *telescophthalmus* ♂ 80—86, ♀ 76—82 mm. This clearly confirms a difference in size in our opinion!

25. *Arses telescophthalmus aruensis* Sharpe.

Arses aruensis Sharpe, *Notes Leyden Mus.* i. no. 5. p. 21 (Aru). A very distinct subspecies.

2 ♂♂, 1 ♀, Sungai Bark, Kobroor, Aru Is., 24, 26. viii. 1900. H. Kühn coll., Nos. 2367, 2382, 2389. "Iris coffee-brown, eyelids ultamarine, feet steel-grey (dark bluish grey)."

1 ♀, Wanambai, Kobroor Island, Aru Is., 4. iii. 1900. H. Kühn coll., No. 2370.

1 ♂, 2 ♀♀, Sungai Bark, Kobroor, 20. viii. 1900. H. Kühn coll., Nos. 2366, 2369, 2387.

2, ♂♀, Wanambai, Kobroor, 23. vi. 1896. C. Webster coll. (From spirits.)

26. *Arses telescophthalmus henkei* Mey.

Arses Henkei A. B. Meyer, *Zeitschr. Ges. Orn.* iii. p. 16 (1886: Astrolabe Mts.).

1 ♂ ad., 1 ♀, 1 ♂ juv., Mountains of the Kotoi district, British New Guinea 4000 ft., August 1898. Anthony coll.

1 ♀, Oriori district, January 1898. Anthony coll.

1 ♂, Mt. Cameron, Owen Stanley Range, August—September 1896. Anthony coll.

2 ♂♂, Mt. Victoria, 1894. A. S. Anthony coll.

1 ♂, 1 ♀, between rivers Laroki and Vanapa, 1897. E. Weiske coll.

2 ♂♂, 1 ♀, Brown River, 1898. E. Weiske coll.

1 ♀, Nicura. Lix coll.

1 ♂, Sogeri, Owen Stanley Mts., 14. xii. 1885. H. O. Forbes coll.

1 ♂, Hall Bay, 14. v. 1875. D'Albertis. (Specimen *p* of Salvadori's list, *Orn. Pap.* ii. p. 46.)

3 ♂♂, 3 ♀♀, Avera, Aroa River, January, February, March 1903. A. S. Meek coll., Nos. A 9, 322, 390, 400, 417, 459.

3 ♂♂, Milne Bay, October, November 1898, February 1899. A. S. Meek coll., Nos. 2113, 2127, 2322. "Iris brown, feet slate, bill bluish slate."

2 ♂♂, 1 ♀, Collingwood Bay, 29. vi. 1897. A. S. Meek coll., Nos. 680, 681, 682. The ♀ has the whole abdomen pale cinnamon.

1 ♂, 3 ♀♀, Simbang, August 1899. E. Nyman coll.

1 ♀, Sattelberg, 3. vii. 1899. E. Nyman coll.

All specimens from British New Guinea and the Huon Gulf district appear to belong to *A. t. henkei*. This form differs in the ♂ by having a black chin-spot of very variable size, but always smaller than in *A. t. aruensis*, in the ♀ by a more rufous-cinnamon upperside, when adult. The abdomen is generally white, but sometimes it is tinged with buff or cinnamon, and in our ♀ from Collingwood Bay it is quite pale cinnamon. This would be Salvadori's

A. orientalis (*Ann. Mus. Gen.* (2) ix. p. 566, 1890), but we cannot possibly consider this as being a different species, the characters assigned to it not being constant, no male being known to belong to it, no separate geographical distribution being recognisable. *A. fenichelii* Madarász (*Aquila* i. p. 92, 1894) from German New Guinea, described from a single female, seems also to belong to *henkei*, the paler crown probably being due to nonage. We cannot either make out how *A. lauterbachi* Reichenow (*Orn. Monatsber.* v. p. 161, 1897, described from one female) should differ from the aberration described by Salvadori as *A. orientalis* in 1890. The back of *A. t. henkei* ♀ is rather brighter rufous-cinnamon than in *A. t. aruensis* ♀, the bird described and figured by Meyer being immature, as shown by moulting specimens in our collection.

27. *Arses insularis* (Mey.).

Monarcha insularis A. B. Meyer, *Sitzungsber. k. k. Akad. Wien* lxix. p. 395 (1874: Jobi).

- 4 ♂♂, 2 ♀♀, Marai, Jobi I., April 1897. W. Doherty coll.
- 1 ♂, 1 ♀, Ansus, Jobi I., April 1897. W. Doherty coll.
- 5 ♂♂, 4 ♀♀, Takar, October—November 1896. W. Doherty coll.
- 2 ♂♂, 2 ♀♀, near Humboldt Bay. J. M. Dumas coll.
- 2 ♂♂, Constantinshafen. Kubary coll.
- 1 ♂, Stephansort. E. Nyman coll.

28. *Rhipidura tricolor* (Vieill.).

Muscicapa tricolor Vieillot, *Nouv. Dict.* xxi. p. 430 (1818: Timor, errore!).

1 ♀, Momos, Waigiu, 25. x. 1883. H. Guillemand coll. "Iris brown, bill and feet black."

- 1 ♀, Batanta, 20. x. 1883. H. Guillemand coll. "Length 220 mm."
- 1, Mysol. Wallace coll. (Ex Bartlett coll.)
- 1 ♂, 1 ♀, Mysol, 11, 28. i. 1900. H. Kühn coll., Nos. 1768, 1914.
- 1 ♂ juv., Mansinam, 16. vii. 1875. Beccari coll. (Specimen *k* of Salvadori's list, *Orn. Pap.* ii. p. 51.)
- 1 Manaswari I., off Dorey, 12. xi. 1883. H. Guillemand coll. "Length 215 mm."
- 1 ♂, Mafor I., May 1897. W. Doherty coll.
- 2 ♀♀. Korrido, October 1896. W. Doherty coll.
- 1 ♀, Ansus, Jobi, May 1897. W. Doherty coll.
- 1 ♂, East Kurndu (east of Jobi), October 1896. W. Doherty coll.
- 1 ♂, 1 ♀, Kapaur, February 1897. W. Doherty coll.
- 1 ♂, 1 ♀. Friedrich Wilhelm's Hafen, 14. x. 1899. E. Nyman coll.
- 1 ♂, Simbang, 13. viii. 1899. E. Nyman coll.
- 1 ♀, Duke of York Island. F. Hübler coll. (Native name "Napali.")
- 2 ♂♂, New Britain. (Purchased from the "Linnaea.")
- 1 ♂, New Britain, 6. v. 1886. Kubary coll. (Native name "Anarir.")
- 1 ♂, 1 ♀, Fergusson Island, 8. vi. 1897. A. S. Meek coll., Nos. 572, 573.
- 2 ♂♂, 1 ♀, Dobbo, Aru Is., February 1897. W. Doherty coll.
- 1 Dobbo, Aru Is., 28. v. 1896. C. Webster coll. (From spirits.)
- 1 ♂, Maniem I., Aru Is., 19. xi. 1897. H. Kühn coll., No. 346.
- 1 ♀, Trangan, Aru Is., 19. ix. 1900. H. Kühn coll., No. 2590.
- 45 from other localities.

29. *Rhipidura threnothorax* S. Müll.

Rhipidura threnothorax S. Müller, *Verh. Land- en Volk.* p. 185 (1844: Lobo).

1 ♀, Kapaur, December 1896. W. Doherty coll. "Iris very dark brown, bill and feet black, lower mandible pale horn-colour."

1 ♂, Mt. Maori, near Humboldt Bay, 3000 ft., January 1899. J. M. Dumas coll. 1, Humboldt Bay. J. M. Dumas coll.

1, British New Guinea, 1898. E. Weiske coll.

30. *Rhipidura maculipectus* Gray.

Rhipidura maculipectus Gray, *P. Z. S.* 1858, pp. 176, 192 (Aru Is.).

3 ♂♂, Wokan, Aru Is., 24. ix. 6. x. 1900. H. Kühn coll., Nos. 2731, 2733. "Iris blackish brown, bill and feet black."

1 ♂, 1 ♀, Trangan I., Aru Is., 13, 19. ix. 1900. H. Kühn coll.

1 ♀, Wanambai, Kōbroor, 4. iii. 1900. H. Kühn coll., No. 2284.

1 ♂, Dobbo, Aru Is., February 1897. W. Doherty coll.

31. *Rhipidura leucothorax* Salvad.

Rhipidura leucothorax Salvadori, *Ann. Mus. Civ. Gen.* vi. p. 311 (1874: Hatam, Arfak).

1 ♂, Kapaur, February 1897. W. Doherty coll.

2 ♂♂, 2 ♀♀, Dorey, June 1897. W. Doherty coll.

5 ♂♂, 1 ♀, Takar, October 1896. W. Doherty coll. "Iris dark brown, feet blackish with white soles, bill black, mandible pale horn-colour."

3 ♂♂, 1 ♀, "Amberuoh River." J. M. Dumas coll.

1 ♀, Stephansort, 21. xii. 1898. E. Nyman coll.

1 ♂, Fly River, 24. viii. 1877. D'Albertis coll., No. 521. (Specimen *y* of Salvadori's list in *Orn. Pap.* ii. p. 59.)

1, Kotoi district, August 1898. A. S. Anthony coll.

The ♀ from Stephansort is distinctly paler above. A series might reveal its distinctness as a subspecies (?).

32. *Rhipidura kordensis* Meyer.

Rhipidura kordensis A. B. Meyer, *Sitzungsber. k. k. Akad. Wiss. Wien* lxx, p. 201 (1874: Mysori).

♂, "Kordo," 1879. Bruijn coll.

♂, Biak, October 1896. W. Doherty coll. "Iris brown, bill and feet black."

33. *Rhipidura setosa setosa* (Q. & G.)

Muscipeta setosa Quoy et Gaimard, *Voy. Astrolabe* i, p. 181 pl. 4 fig. 4 (1830: New Ireland).

(Cf. Nov. ZOOL. 1898, p. 525.)

1, New Ireland. Collected by a missionary.

1, Ralum, New Britain, 9. i. 1894. Capt. C. Webster coll. (From spirits.)

1 ♂, 3 ♀♀, Duke of York Is., May, September, October, 1880. Th. Kleinschmidt coll.

1 ♂, Mioko, 7. v. 1880. Th. Kleinschmidt coll.

34. *Rhipidura setosa gularis* Müll.

Rhipidura gularis S. Müller, Verh. Land- en Volkenkunde p. 185 (1839-44 : Lobo, Utanata).

(Cf. Nov. Zool. 1898, p. 525.)

2 ♂♂, 4 ♀♀, Mysol, January 1900. H. Kühn coll., Nos. 1804, 1926, 1927, 1928, 1933, 1989. "Iris dark brown (dark coffee-brown), feet dark plumbeous (blackish), bill black."

1 ♂, Waigiou, 12. xii. 1902. J. Waterstradt coll.

1 ♂, Dorey, 16. iv. 1875. Bruijn coll. (Specimen *m* of Salvadori's list, *Orn. Pap.* ii. p. 62. Salvadori confounded *setosa* and *gularis*. They are, however, easily distinguished.)

1 ♂, Dorey, June 1897. W. Doherty coll.

1 ♂, 1 ♀, Dorey, October 1896. W. Doherty coll. "Iris deep chestnut, bill and feet black."

1 ♀, Sorong, 24. iv. 1875. Bruijn coll. (Specimen *x* of Salvadori's list, i.e.)

1 ♀, Arfak, 10. v. 1875. Bruijn coll. (Specimen *r* of Salvadori's list, i.e.)

1 ♂, Mansema (Arfak), 27. v. 1875. Bruijn coll. (Specimen *o* of Salvadori's list, i.e.)

1 ♂, Hatam, Mt. Arfak, 1879. Bruijn coll.

2 ♂♂, 1 ♀, Ron Island, July 1897. W. Doherty coll.

1 ♂, Takar, North New Guinea, October 1896. W. Doherty coll.

3 ♂♂, 2 ♀♀, Kapaur, December 1896. W. Doherty coll.

1 ♂, Kapaur, February 1897. W. Doherty coll.

1 Triton Bay, 24. vii. 1896. Capt. C. Webster coll., No. 270.

1 ♀, Ansns, Jobi Is., April 1874. Bruijn coll. (Specimen *z* of Salvadori's list i.e.)

3 ♂♂, 2 ♀♀, Ansus and Marai, Jobi Island, April 1897. W. Doherty coll.

2 ♂♂, Simbang, German New Guinea, August 1899. E. Nyman coll.

1 ♂, 1 ♀, Fergnsson Island, 2. x., 29. xii. 1894. A. S. Meek coll.

1 ♀, Goodenough Island, 4. xii. 1899. A. S. Meek coll., No. 12.

1 ♂, Naiabui, 12. viii. 1875. D'Alberti's coll. (Specimen *g* of Salvadori's list, i.e.)

35. *Rhipidura setosa nigromentalis* Hart.

Rhipidura setosa nigromentalis Hartert, Nov. Zool. 1898, pp. 525, 526 (Sudest Island).

1 ♂ ad., Sudest Island, Louisiades, 13. iv. 1898. A. S. Meek coll., No. 1721. (Type of *R. s. nigromentalis*.)

3 ♂♂, Sudest Island, March, April 1898. A. S. Meek coll., Nos. 1610, 1673, 1720.

3 ♂♂, 3 ♀♀, St. Aignan Island, Lonisiades, August—September 1897. A. S. Meek coll., Nos. 756, 757, 878, 909, 966, 967.

36. *Rhipidura hyperythra* Gray.

Rhipidura hyperythra Gray, P. Z. S. 1858, pp. 176, 192 (Aru).

3 ♂♂, 2 ♀♀, Sungey Bark., Kobroor, Aru Is., 22, 23, 25. viii. 1900. Heinr. Kühn coll. "Iris and feet brownish black, bill black, mandible pale ochreous." Nos. 2270, 2271, 2277, 2280.

1 ♀, Tana Mera, October 1896. W. Doherty coll. "Iris dark brown, feet pale brown, bill above black, below yellowish horn."

- 1, near Humboldt Bay. J. M. Dumas coll.
 3, Mt. Maori, near Humboldt Bay, January 1899. J. M. Dumas coll.
 1, Kotoi district, British New Guinea, August 1898. A. S. Anthony coll.
 1, British New Guinea. E. Weiske coll.
 4 ♂♂, 1 ♀♀, Avera, Aroa River, January, February, March 1903. A. S. Meek
 coll., Nos. A 108, 309, 393, 419, 420. "Iris dark brown (light brown), feet
 smoky brown (dark brown), bill above dark brown (black), below amber (light
 brown, horn-colour)."

37. *Rhipidura rufidorsa* Mey.

Rhipidura rufidorsa A. B. Meyer, *Sitzungsber. k. Akad. Wiss. Wien lxx*. p. 200 (1874: Rubi,
 Jobi).

- 2 ♂♂, Ansus, Jobi, April 1897. W. Doherty coll.
 2 ♂♂, 1 ♀, Marai, Jobi, April 1897. W. Doherty coll. "Iris deep brown,
 feet dull brownish, bill dull sepia."
 1 ♂, Keboi, near Jobi, November 1896. W. Doherty coll.
 1, Mt. Maori, January 1899. J. M. Dumas coll.
 2 ♂♂, 1 ♀, 2 unsexed, Kapaur, December 1896, January 1897. W. Doherty
 coll.
 2 ♂♂, 1 ♀, Mysol, January, February 1900. H. Kühn coll., Nos. 1788, 1993,
 1994. "Iris dark brown (blackish), feet dark plumbeous, bill brown, mandible
 pale yellowish."
 1 "♀ juv." Collingwood Bay, 13. vi. 1899. No. 2600. "Iris dark brown,
 feet dark brown, bill dark brown, light brown underneath."

38. *Rhipidura squamata* Müll.

Rhipidura squamata S. Müller, *Verh. Nat. Gesch. Ned. Ind., Land- en Volkenkunde* p. 184 (1839-44:
 Banda !)

- 3 ♂♂, Pulo Babi (Pig Island), Aru Is., 23. ix. 1900. H. Kühn coll.

These specimens seem inseparable from the typical Banda birds. We have
 been able to compare 24 examples from Banda, Soa, Little Key, Kilsoein,
 Manggoer, Taam and Maar Islands.

39. *Rhipidura auricularis* De Vis.

Rhipidura auricularis De Vis, Report New Guinea for 1889 (Birds), p. 2 (1890: Musgrave
 Range).

- 2, Aroa River. E. Weiske coll.
 1 ♂, Aroa River, 5000 feet, January 1900. E. Weiske coll.

40. *Rhipidura atra* Salvad.

Rhipidura atra Salvadori, *Ann. Mus. Civ. Gen.* viii, p. 922 (1875: Matam, Arfak).

Rhipidura fallax Ramsay, *P. Z. S.* 1884, p. 580 (Astrolabe Range).

Rhipidura cinnamomea A. B. Meyer, *Zeitschr. ges. Orn.* 1886, p. 17 (Hufesengebirge).

Rhipidura meyeri Büttikofer, *Notes Leyden Mus.* xv, pp. 81, 82, 113-15 (1892).

While fully agreeing with Büttikofer that *Rhipidura brachyrhyncha* is
 different from the red females of *Rh. atra* (*cinnamomea* and *meyeri*), we cannot
 distinguish two races of cinnamon females, those from Dutch New Guinea
 being like those from the British colony. Nor can we share Büttikofer's doubts
 that the red birds are really the females of the black ones, but we fully agree

with Salvadori's conclusions as put forth *Ann. Mus. Cir. Gen.* xxxvi. pp. 24—27. Not only the adult *females*, but also the young birds are cinnamon.

1 ♂ ad., Hatam, Arfak, 28. vi. 1875. Bruijn coll. (Specimen *e* of Salvadori's list, *Orn. Pap.* ii. p. 72. Type of *Rh. atra* marked "Typus!" by the author.)

1 ♀, "Ambernoh River." J. M. Dumas coll.

1 ♀, Mt. Cameron, Owen Stanley Range, 12. viii. 1896. Anthony coll.

1 ♂, Moroka district, British New Guinea, 3000—6000 ft. Purchased from Mellwraith & McEacharn.

1 ♂ ad., 1 ♂ juv., moulting from the cinnamon to the slate-coloured plumage, Aroa River. E. Weiske coll. (Not sexed by the collector.)

2 ♂♂, 1 ♀, Avera, Aroa River, 21. ii., 10. 14. iii. 1903. A. S. Meek coll., Nos. A 264, 394, 418. ♂ & ♀: "Iris dark brown, feet smoky brown, bill above black, below light horn-colour." One of the *males* shows three cinnamon feathers, evidently remains from the juvenile plumage, on the rump.

All our examples, except the two unsexed ones from Weiske and the unsexed one from Dumas, are correctly sexed, the black ones as *males*, the cinnamon ones as *females*.

41. *Myiagra atra* Mey.

Myiagra atra A. B. Meyer, *Sitzungsber. k. k. Akad. Wiss. Wien* lxix. p. 498 (1874 : Mafor).

11 ♂ ad., 1 ♂ jun., 7 ♀♀, Mafor, May and June 1897. W. Doherty coll. "♂, Iris very deep brown, bill pale blue, nostrils, tip and commissure slenderly black, feet black." "♀, Iris very deep brown, bill pale blue, tip and commissure, and outer half of culmen slenderly black, feet black."

1 ♂, Korrido, 1879. Bruijn coll.

42. *Myiagra nitida* Gould.

Myiagra nitida Gould, *P. Z. S.* 1837. p. 142 (Australia).

Myiagra nupta Hartert, *Nov. Zool.* 1898. p. 526 (Sudest Island).

2, ♂ ♀, Sudest Island, Louisiades, 16. iv. 1898. A. S. Meek coll., Nos. 1738, 1739. (No. 1738 ♂ type of *M. nupta*.)

2 ♂♂, 1 ♀, St. Aignan, Louisiades, August and December 1897. A. S. Meek coll., Nos. 686, 754, 1153.

1 ♂, Woodlark Island, 9. iv. 1897. A. S. Meek coll., No. 207.

1 ♂ juv., 1 ♀, Goodenough I., D'Entrecasteaux Is., 14, 21. xii. 1896.

3 ♂ ad., 1 ♂ juv., 1 ♀, Fergusson Island, May, June 1897. A. S. Meek coll., Nos. 247, 295, 424, 450, 532.

We cannot separate specimens from the Louisiades and D'Entrecasteaux group from those of Australia, whence we have two adult *males*, one young *male* and two *females*.

43. *Myiagra latirostris* Gould.

Myiagra latirostris Gould, *P. Z. S.* 1840. p. 172 (N. Australia).

1, Dobbo, Aru Is., 8. vi. 1896. Capt. C. Webster coll. (From spirits.)

2 ♂♂, Wokan, Aru Is., 7. x. 1900. H. Kuhn coll., Nos. 2727, 2728.

"Iris dark coffee-brown, feet black, bill dark steel-grey with black tip."

44. **Muscicapa griseisticta** (Swinh.).

2 ♂♂, Pigen Island in St. David's or Mafin group, north of Dutch New Guinea, October 1896. W. Doherty coll.

45. **Megalestes albonotatus** Salvad.

Megalestes albonotatus Salvadori, Ann. Mus. Civ. Gen. vii, p. 770 (1875 : Mt. Arfak).

2, Arfak. From Messrs. James Veitch & Sons, collected by Bourke. (Purchased from Gerrard.)

2 ♂♂, 1 ♀, Mt. Camerou, 6000—7000 ft., 10, 22. viii. 1896. A. S. Anthony coll. "Iris, bill and feet black."

1 ♂, Aroa River, 5000 ft., January 1900. E. Weiske coll.

1, Upper Brown River. E. Weiske coll.

1 ♂ ad., Avera, Aroa River, 28. i. 1903. A. S. Meek coll., No. A 131. "Iris light brown, bill and feet black."

1 ♂ juv., Avera, Aroa River, 24. ii. 1903. A. S. Meek coll., No. A 284. "Iris iron-grey, bill and feet black."

This young bird has its plumage above and below mixed with pale cinnamon feathers, evidently showing that the young in first plumage is pale cinnamon all over. The genus *Megalestes* should be kept separate from *Poecilodryas*, chiefly on account of its broader and flatter bill.

46. **Heteromyias armiti** (De Vis).

(Pl. XIII., fig. 3.)

Poecilodryas armiti De Vis, Report Brit. New Guinea (Birds) p. 3 (spec. 33) (1894 : Mt. Maneao).

1, Mt. Cameron, 8. ix. 1896. A. S. Anthony coll.

1, Upper Brown River. Emil Weiske coll.

2 ♂♂, 2 ♀♀, Avera, Aroa River, May, June 1903. A. S. Meek coll., Nos. A 488, 515, 540, 594. "Iris brown, feet (light) horn-colour, bill black (with light tip and gony's)."

47. **Petroica bivittata** De Vis.

Petroica bivittata De Vis, Ibis 1897, p. 97 (Mt. Scratchley : one ♀).

2 ♂♂ (one marked ♀ erroneously), 1 ♀, Mt. Knutsford, 11,000 ft, 20. viii. 1898. A. S. Anthony coll. "Iris brown-black, bill black, feet black."

The males have the upperside, throat and chest black, with a slight gloss. The wings agree with De Vis' description, except that the primary coverts have no white bar. The tail, of which no mention is made in De Vis' description, is black, the outer pair of rectrices with a huge wedge-shaped white mark occupying the greater part of the distal half, the following two with small white tips. Abdomen, under tail-coverts, under wing-coverts and axillaries white, the bases of the feathers white. The female is not black, but slate-colour, the outer rectrices have the outer web and tip only white, otherwise like the male.

We presume that this is De Vis' *P. bivittata*, as no other *Petroica* from New Guinea is known to us, although he describes the primary coverts as having a white bar, and makes no mention of the tail!

48. *Pratincola caprata caprata* L.

1 ♂ juv., Avera, Ora River, 24. ii. 1903. A. S. Meek coll., No. A 287. "Iris dark brown, feet black, bill vandyke-brown."

This bird belongs evidently to the small race, which reaches along the Sunda Islands to the Moluccas, but is new to New Guinea.

49. *Pratincola caprata atrata* Kelaart.

Pratincola atrata Kelaart apud Blyth, *Journ. As. Soc. Bengal* xx. p. 177 (Ceylon). (About the correct name of this form see Oates, *B. India* ii. p. 61.)

Poecilodryas aethiops ScL, *P. Z. S.* 1880. p. 66, Pl. VII. fig. 1 (New Britain, Brown coll.).

We have one example obtained on Mt. Scratchley. Neither we nor Dr. Sharpe, whom we showed the bird, are able to separate it from the South Indian and Ceylonese large form of *P. caprata*, the *P. c. atrata*, or from the type of "*Poecilodryas aethiops*." There is also a female in the British Museum (or young bird) agreeing with the ♀ of the *Pratincola*! We cannot understand why this bird has been placed in the genus *Poecilodryas*, neither can we understand its most remarkable, incredible distribution: Ceylon and South India on the one, New Britain and New Guinea on the other hand. It is possible that a series may show that the South Indian and Papuan birds differ slightly from each other, but so far we have found no difference whatever.

50. *Poecilodryas bimaculatus* (Salvad.).

Myiolestes (?) bimaculatus Salvadori, *Ann. Mus. Civ. Gen.* vi. p. 84 (1874 : Putat, New Guinea).

2 ♂♂, 1 ♀, 1 sex not marked, Mt. Cameron, 3000 ft., August—September 1896. A. S. Anthony coll.

4 ♂♂, 1 ♀, Avera, Aroa River, 20, 23, 28. ii., 2. iii. 1903. A. S. Meek coll., Nos. A 258, 259, 283, 325, 337. "Iris burntumber, bill and feet black."

1 ♂, 2 sex unknown, Mt. Maori, 3000 ft., January 1899. J. M. Dumas coll.
1, Dutch New Guinea. Bruijn coll.

51. *Poecilodryas hypoleuca* (Gray).

Petroica hypoleuca Gray, *P. Z. S.* 1859. p. 155 (Dorey).

Poecilodryas minor A. B. Meyer, *Sitzungsber. Ges. Isis. Dresden* 1884. p. 27.

1, Triton Bay, 25. vii. 1896. Capt. C. Webster coll. (From spirits.)

3 ♂♂, 1 ♀, Kapanur, December 1896, February 1897. W. Doherty coll. "Iris dark brown, feet purplish black, bill black."

2 ♂♂, 1 not sexed, Dorey, June 1897. W. Doherty coll.

"♀, Waigama, 11. v. 1867." (? From Bruijn's hunters.)

1 ♂, 2 ♀♀, Waigiu, November 1902, January 1903. J. Waterstradt coll.

1 ♂, Mysol, 31. i. 1900. H. Kühn coll., No. 2009. "Iris bright brown (coffee-brown), feet greyish black, bill black."

5 ♂♂, 3 ♀♀, Takar, October—November 1896. W. Doherty coll.

1 (♀), Brown River, Brit. New Guinea, 1898. E. Weiske coll.

1 (?), trade-skin from the Berau Peninsula.

P. minor is evidently founded on females and immature specimens of *P. hypoleuca*. We have two specimens agreeing fully with Meyer's diagnosis, one of which is from Arfak, the other from the Brown River, British New Guinea.

52. *Poecilodryas brachyurus* (Sel.).

Leucophantes brachyurus Sel., *P. Z. S.* 1873. pp. 691, 692. Pl. LIII. (Andai, erroneously stated as coming from Hatam).

2 (not sexed), Amboernoh River. J. M. Dumas coll.

53. *Poecilodryas leucops albifacies* Sharpe.

Poecilodryas albifacies Sharpe, *Journ. Linn. Soc. Lond., Zool.* xvi. pp. 318, 432 (1882: S.E. New Guinea).

Monarcha viridis De Vis, *Report N. Guinea* p. 3. sp. 30 (1894).

1 ♀, Aroa River, 3000 ft., August 1899. E. Weiske coll.

2 ♂♂, 3 ♀♀, Avera, Aroa River, January, February, March 1903. A. S. Meek coll. Nos. A 148, 151, 202, 267, 437. "Iris dark brown, feet lemon-yellow, bill black above, horn-colour below."

1 ♀, Oriori district, January 1896. A. S. Anthony coll.

1 ♂, Mt. Cameron, 7000 ft., 20. viii. 1896. A. S. Anthony coll.

1, S.E. New Guinea. A. Goldie coll.

1, between rivers Laroki and Vanapa. E. Weiske coll.

2, British New Guinea. E. Weiske coll.

4, Sogeri district, Owen Stanley Mountains. H. O. Forbes coll.

2 ♂♂, 1 ♀, Cape York, Queensland, July—August 1898. A. S. Meek (Eichhorn) coll., Nos. 1992, 2077, 2091. "Iris dark brown, feet (light) horn-colour, bill black (vandyke brown)."

It is somewhat doubtful if the Cape York examples are typical *albifacies*. Their throat is widely white, more than usually in *albifacies*, which has mostly only the chin white. The bills are almost quite black in two, light at base in one only, but even in the latter less than in most *albifacies* from New Guinea.

We have no specimen of *P. leucops leucops* from the Arfak Peninsula.

54. *Poecilodryas leucops melanogenys* Mey.

Poecilodryas melanogenys A. B. Meyer, *Abh. & Ber. Mus. Dresden* 1892-93. Art. 3, p. 12 (Sattelberg).
Poecilodryas salvadorii Madarász, *Orn. Monatsber.* viii. p. 1 (January 1900 : Sattelberg!).

♂, Sattelberg, 2, 5. vi. 1899. "Iris brown." Dr. E. Nyman coll.

The white forehead without black central line, the greater extension of the black from the sides of the head towards the throat and entirely yellow throat are well-marked peculiarities which characterise this subspecies. The less distinct cap and brighter colour above and below, however, are not constant, nor is the bill less black than in typical *albifacies* from S.E. New Guinea.

P. salvadorii Mad. is of course a synonym of *melanogenys*, and it is a pity that Dr. Sharpe admitted it as a separate species in the *Hand-list* (iii. p. 236), as a comparison of Dr. von Madarász's diagnosis would have shown him the truth at once.

55. *Poecilodryas cyanus cyanus* (Salvad.).

Myiolestes (?) cyanus Salvadori, *Ann. Mus. Civ. Gen.* vii. p. 394 (1875 : Hatam, Arfak).

1 ♂ ad., Hatam, Arfak, 5. vii. 1875. Beccari coll. (Specimen *k* of Salvadori's list, *Orn. Pap.* ii. p. 90.)

1 ♀, Hatam, Arfak, 1875. Bruijn coll.

This form is only known from the Arfak mountains, and Mr. Sharpe's locality, S.E. New Guinea, of course refers to the following form. This mistake would have been avoided by the proper use of trinomials.

56. *Poecilodryas cyanus subcyanæa* De Vis.

Poecilodryas subcyanæa De Vis, *Ibis* 1897, p. 377 (S.E. New Guinea).

Poecilodryas cyanus salvadorii Rothschr. & Hart., *Bull. B. O. C.* xi, p. 26 (February 1900 : Mts. Cameron, Scratchley, etc.).

Poecilodryas cyanopsis Sharpe, *Hand-list* iii, p. 235 (1901 : nomen emend, for *P. salvadorii*, which name had already been used in January 1900 by Madarász).

1 ♂, Mt. Cameron, 7000 ft., 15. viii. 1896. A. S. Anthony coll. "Iris brown, feet and bill black." Type of *P. c. salvadorii* R. & H.)

1 ♀, Mt. Cameron, 7000 ft., 15. viii. 1896. A. S. Anthony coll.

1 ad., 1 juv., Mt. Scratchley. (The young in first plumage is slate-colour with buff shaft-lines and large rusty-cinnamon tips to the feathers of the body, wings and tail blackish, wing-coverts like the feathers of the back.)

1 ad., Kotoi district, August 1898. A. S. Anthony coll.

1 ad., Easa district, 1000—3000 ft. A. S. Anthony coll.

1 immature, Aroa River. Emil Weiske coll.

2 ad., Mountains of British New Guinea. Emil Weiske coll.

1 ♂ ad., 1 ♀ ad., Avera, Aroa River, 4, 5. iii. 1903. A. S. Meek coll., Nos. A 359, 360.

1 ad., Ambernoch River, Dutch New Guinea. J. M. Dumas coll.

57. *Poecilodryas sigillata* De Vis.

Poecilodryas sigillata De Vis, *Ann. Rep. Brit. New Guinea, Birds* p. 59 (1890 : Mt. Victoria).

(Dr. Sharpe in *Hand-list* iii, p. 235, No. 13 says that *Poecilodryas minor* A. B. Meyer, 1884, is, according to Finsch, in litt., the same as *P. sigillata*. If Dr. Finsch really said this, he can never have read the descriptions of either, for *P. sigillata* is entirely black, except the greater part of the innermost secondaries, which are white; while *P. minor* has the under surface white, and is, in fact, nothing but *P. hypoleuca* ♀ and juv.).

1, Mt. Scratchley.

3 ♂♂, 1 ♀, Mt. Kunnsford, 11,000 ft. ("barometer reading"), 8, 18, 20, 21. viii. 1898. A. S. Anthony coll. "Iris, bill, feet black."

1 (?) near Port Moresby. (Purchased in London.)

58. *Poecilodryas placens* (Rams.).

Eopsaltria placens Ramsay, *Proc. Linn. Soc. N. S. Wales*, iii, p. 272 (1879 : S.E. New Guinea, Goldie River, Broadbent coll.).

Poecil. flavigularis Sharpe, *Ann. Mag. Nat. Hist.* (5) iii, p. 313 (1879 : S.E. New Guinea).

1 ♂, 2 ♀♀, Mt. Cameron, 3000 ft., 15, 16. viii. 1896. A. S. Anthony coll. "Iris brown, feet yellow, bill black."

1, Kotoi district, August 1898. A. S. Anthony coll.

1, Brown River, 1898. Emil Weiske coll.

59. *Microeca papuana* A. B. Meyer.

Microeca papuana A. B. Meyer, *Sitzungsber. Ges. Isis* 1875, p. 74 (Arfak).

Microeca viridisflava Rothschr. & Hartert, *Bull. B. O. C.* xi, pp. 26, 44 (1900 : Mt. Cameron).

6, Aroa River, December 1899—January 1900. E. Weiske coll.

1 ♀, Aroa River, 4000 ft., December 1899. E. Weiske coll. "Iris and bill black, feet yellow."

1 ♂, Avera, Aroa River, 6. iii. 1903. A. S. Meek coll., No. A 376.

1 ♀, Mt. Cameron, 6500 ft., 1. viii. 1896. A. S. Anthony coll. (Type of *M. vividiflava*.

1, Kotoi district, August 1898. A. S. Anthony coll.

1, Eafa district, 1000—3000 ft., 1898. A. S. Anthony coll.

1 ♀, Hatam, 5. vii. 1875. Beccari coll. (Specimen *g* of Salvadori's list in *Orn. Pap.* ii.)

60. *Microeca flavovirescens* Gray.

Microeca flavovirescens Gray, P. Z. S. 1858. p. 178 (Aru).

? *Microeca punctata* De Vis, Report 1894. p. 3 (juv.).

1, Wanambai, Aru Is., 25. vi. 1896. Capt. C. Webster coll. (From spirits.)

1 ♂, Wokan, Aru Is., 26. ix. 1900. H. Kühl coll.

1 ♂, Sungey Bark, Kobroor, 21. viii. 1900. H. Kühl coll., No. 2299. "Iris coffee-brown, bill black, lower mandible and feet ochreous."

5 ♂♂. 1 ♀, Kapaur, December 1896—February 1897. W. Doherty coll.

1 ♂, Jobi Island, 10. xi. 1883. H. Guillemaud coll. "Length 158 mm. Iris brown, upper bill black, lower bill and tarsus flesh-colour."

1 ♂, 1 sex ?, Marai, Jobi I., April 1897. W. Doherty coll.

1 ♂, Ansus, Jobi I., April 1897. W. Doherty coll.

1, British New Guinea, 1. ii. 1896. A. S. Anthony coll.

1 ♀, Avera, Aroa River, 15. iii. 1903. A. S. Meek coll., No. A 422.

1 ♂ ad., 1 ♂ juv., Milne Bay, Brit. N. Guinea, 2, 6. ii. 1899. A. S. Meek coll., Nos. 2242, 2263.

61. *Microeca flavigaster* Gould.

Microeca flavigaster Gould, P. Z. S. 1842. p. 132 (Port Essington, Australia).

Microeca flaviventris Salvad., Ann. Mus. Civ. Gen. xii. p. 324 (1878: nom. emend. of *flavigaster*).

2 ♂♂, 1 ♀?, Cape York, Queensland, 16, 17. vi., 1. viii. 1898. A. S. Meek (Eichhorn) coll. "Iris and bill brown, feet black." Nos. 1804, 1817, 2058.

1 ♀, Nicura, Brit. N. Guinea, 23. vii. 1893. Lix coll.

2, Mountains of British New Guinea. E. Weiske coll.

62. *Microeca griseiceps* De Vis.

Microeca griseiceps De Vis, Report 1894. p. 3 (Mt. Maneao).

3 ♂ ad., 1 ♂ juv., 1 ♀, Avera, Aroa River, 4, 25. ii., 11, 23. iii. 1903. A. S. Meek coll., Nos. A 199, 298, 397, 398, 453. "Iris dark brown, feet golden yellow, upper mandible black, lower yellow." Wings 69, 68, 69; ♀, 66 (worn); tails all 54 mm.

63. *Microeca griseiceps occidentalis* subsp. nov.

Differs from *M. g. griseiceps* by its larger size, by the flanks being somewhat less washed with olive, and a buffy brown tinge on the chest. The crown is somewhat browner, less greyish. Wing 74, tail 58 mm.

♂, Arfak, "Warmendi," 24. i. 1876. From Bruijn's hunters. (Type of *M. g. occidentalis*.) No. B. 124.

64. *Gerygone palpebrosa* Wall.*Gerygone palpebrosa* Wallace, P. Z. S. 1865. p. 475 (Aru).

- 1 ♂, Wokan, Aru Is., 27. ix. 1900. H. Kühn coll. "Iris brownish red (burnt sienna), feet bluish grey, bill black."
- 1 ♂, Sungey Bark, Kobooro, Aru Is., 29. viii. 1900. H. Kühn coll., No. 2316.
- 1 ♂, Aru Is., 1866. Von Rosenberg coll. (Exchanged from the Leyden Musenm.)
- 1 ♂, Wanambai, Aru Is., 24. v. 1896. Capt. C. Webster coll. (From spirits.)
- 1 ♀, Trangan I., Aru Is., 19. ix. 1900. H. Kühn coll., No. 209.
- 1 ♂, Waigin, 3. i. 1903. J. Waterstradt coll.
- 1 ♂, 1 ♀, Mysol, 22. i. 1900, 7. ii. 1900. H. Kühn coll., Nos. 1937, 2037.
- 1 ♂, Humboldt Bay, Maori Mts., 8000 ft., January 1899. J. Dumas coll.
- 1 ♂, 2 ♀♀, Kapaur, December 1896. W. Doherty coll. "Iris bright scarlet (red)."
- 1 ♀, Takar, November 1896. W. Doherty coll.
- 3 ♂♂, Avera, Aroa River, 2, 5, 31. i. 1903. A. S. Meek coll., Nos. A 167, 342, 366.
- 1 ♂, Aroa River, 3000 ft., August 1899. E. Weiske coll.
- 1 ♂, Mt. Gayata, Richardson Range, 2000—4000 ft. E. Weiske coll. (according to preparation).

65. *Gerygone wahnesi* (Mey.).*Pseudogerygone wahnesi* A. B. Meyer, Ora, Monatsber. 1899. p. 144 (Bongu, German New Guinea).

- 1 ♂ ad., Marai, Jobi, April 1897. W. Doherty coll. "Iris deep brown, feet blackish, bill black."

Differs from *G. palpebrosa* in its sooty black crown (deeper black on forehead), slightly paler yellow abdomen and slightly longer wings and generally a little larger size. Wing 57 mm. The white nasal patches are not larger than in *G. palpebrosa*.

66. *Gerygone chrysogaster* Gray.*Gerygone chrysogaster* G. R. Gray, P. Z. S. 1858. pp. 174, 191 (Aru).

- 1 ♀, Aru Is., 1866. V. Rosenberg coll., No. 627. (Exch. from Leyden.)
- 1 ♂, 2 ♀♀, Sg. Wanambai, 4. iii., 31. viii. 1900. H. Kühn coll., Nos. 2332, 2333, 2334.
- 1 ♀, Wanambai, Aru Is., 28. vi. 1896. C. Webster coll. (From spirits.)
- 1 ♂, 1 ♀, Trangan, Aru Is., 12, 13. ix. 1900. H. Kühn coll., Nos. 269, 270.
- 1 ♀, Dobbo, Aru Is., February 1897. W. Doherty coll.
- 1 ♂, Dobbo, Aru Is., 27. v. 1896. C. Webster coll. (From spirits.)
- 1 ♂, 4 ♀♀, October, November 1896. W. Doherty coll.
- 5 ♂♂, Jobi Island, April, May 1897. W. Doherty coll.
- 1 ♂, Tana Mera, N. New Guinea, October 1896. W. Doherty coll. "Iris whitish scarlet (brownish red in an Aru bird), feet pale brown, bill blackish."
- 1 (not sexed), Kotoi district, August 1898. A. S. Anthony coll.
- 1 ♂ juv. (?), Collingwood Bay, 5. vi. 1899. A. S. Meek coll., No. 2570.

67. *Gerygone cinereiceps* (Sharpe).*Pseudogerygone cinereiceps* Sharpe, *Nature* xxxiv. p. 3 (1886 : S.E. New Guinea).

1 (not sexed), Mountains of the Kotoi district, British New Guinea, August 1898. A. S. Anthony coll.

1 ♀, Avera, Aroa River, 4. ii. 1903. "Iris dull red, feet dark slate, bill black." A. S. Meek coll., No. A 197.

68. *Gerygone neglecta neglecta* Wall.*Gerygone neglecta* Wallace, *P. Z. S.* 1865. p. 475 (partim—Waigiu tantum!).*Cryptolopha waigiensis* Hartert, *Bull. B. O. Club* xiii. p. 70 (1903 : Waigiu)*

2 ♂♂, 2 ♀♀, Waigiu, December 1902. J. Waterstradt coll.

69. *Gerygone neglecta notata* Salvad.*Gerygone notata* Salvadori, *Ann. Mus. Civ. Gen.* xii. p. 344 (1878 : Wa Samson, New Guinea).

The yellowish outer edges of the greater wing-coverts vary in extent, and are sometimes not very noticeable.

♂ ♀, Sorong, New Guinea, 30. i., 2. ii. 1865. Dr. Bernstein coll. (Exchanged from the Leyden Museum.)

2, Maori Mts., 3000 ft., January 1899. J. M. Dumas coll.

2 ♂♂, 1 ♀, Mysol, 28. i., 8. ii. 1900. "Iris dark chocolate-brown (brownish red), feet pale (bright) plumbeous, bill brown (brownish), mandible pale (whitish) with dark tip." H. Kühn coll., Nos. 1936, 1998, 2021.

70. *Gerygone neglecta dohertyi* subsp. nov.Like *G. neglecta neglecta*, without yellowish patches on the greater wing-coverts, but decidedly less greenish, more russet-brownish, above. The tail is broader and the blackish antepical patches appear to be generally less distinct. Same size as that of *G. n. neglecta*.1 ♂ ad. Kapaur, January 1897, No. T 1161. Type of *G. n. dohertyi*.

6 ♂♂, 1 ♀, 1 not sexed, Kapaur, December 1896, January, February 1897. W. Doherty coll. "Iris crimson."

71. *Gerygone conspicillata conspicillata* (Gray).*Microeca conspicillata* Gray, *P. Z. S.* 1859. p. 156 (Dorey).

2 ♂♂, Kapaur, December 1896. January 1897. W. Doherty coll.

♀, Kurudu, October 1896. W. Doherty coll. "Iris deep brown, feet blackish, bill black."

* I am quite willing to admit that the birds I called *Cryptolopha waigiensis* are not only the same as *Gerygone neglecta*, but are really better placed in the genus *Gerygone*. Nevertheless the two genera are closely allied, and should stand close together. The only differences between the two genera that I can appreciate are the shape of the tail, which is more or less rounded in *Gerygone* with blackish antepical patches, more or less square or emarginate in most *Cryptolopha* (except in *supercliaris* and *schwaneri*, which differ also in other ways). Then the bill is comparatively shorter in *Cryptolopha*, and there are very often striking median stripes on the crown. In any case the birds called *Gerygone poliocephala*, *G. mafurensis* and *G. giulianettii* are doubtless *Cryptolopha*. The latter is in fact, closely allied to *C. kinabaluensis* and *trivirgata*, of which it may be a subspecies. It is therefore clear that my remarks (*Bull. B. O. C.* xiii. p. 70) about the occurrence of the genus *Cryptolopha* in the Papuan region are perfectly correct, although I wrongly described the bird from Waigiu as a *Cryptolopha*. The whitish inner edges on the outer retrices of *giulianettii* are also characteristic for *Cryptolopha*. E. HARTERT.

1 Kotoi district, British New Guinea, August 1898. A. S. Anthony coll. (Sides of head rufous, perhaps aberration or another form?).

1 ♂, 2 ♀♀, Fergnsson Island, September 1894, January 1895. A. S. Meek coll.

5 ♂♂, Fergnsson Island, May, June 1897. A. S. Meek coll., Nos. 325, 376, 490, 474, 624.

1 ♂, Cape York, Qneensland, 23. vi. 1898. A. S. Meek coll., No. 1860.

1 ♂, Cedar Bay, Queensland, 16. i. 1894. A. S. Meek coll.

72. *Gerygone conspicillata rosseliana* Hart.

Gerygone rosseliana Hartert, Nov. Zool. vi. p. 79 (1899 : Rossel I.).

3 ♂♂, 1 ♀, Rossel Island, January—February 1898. A. S. Meek coll., Type no. 1382.

73. *Gerygone conspicillata onerosa* Hart.

Gerygone rosseliana onerosa Hartert, Nov. Zool. vi. no. 2. (1899 : St. Aignan).

3 ♂♂, 1 ♀, St. Aignan Island, August—September 1897. A. S. Meek coll., Type no. 964.

74. *Gerygone conspicillata ramuensis* Rehw.

Gerygone ramuensis Reichenow, Orn. Monatsber. 1897. p. 26 (Ramu, German New Guinea).

A very distinct form, but not more so than *rosseliana* and *onerosa*, and evidently also a form of *conspicillata*.

1 (not sexed), Friedrich Wilhelm's Hafen, 29. i. 1898. Tappenbeck coll.

2 ♀♀, Friedrich Wilhelm's Hafen, 12, 17. x. 1899. E. Nyman coll. "Iris roth."

75. *Gerygone brunneipectus* (Sharpe).

Pseudogerygone brunneipectus Sharpe, Notes Leyden Mus. i. p. 29 (1878 : nomen nudum) : Cat. Brit. Mus. iv. p. 221 (1879 : Arn Is.).

1 (not sexed), Manien I., Arn Is., 19. xi. 1897. H. Kühn coll.

1 ♂ ad. Dobbo, Arn Is., 11. viii. 1900. H. Kühn coll. "Iris bright reddish brown, feet reddish plumbeous, bill black."

76. *Gerygone cinerea* Salvad.

Gerygone (?) cinerea Salvadori, Ann. Mus. Civ. Gen. vii. p. 958 (1875 : Arfak Mts.).

1, Amernooh River. J. M. Dumas coll.

1, Eafa district, 1000—3000 ft. (Purchased from Messrs. Mellwraith, McEacharn & Co., London).

♂, Aroa River, 3. vi. 1903. (No. A 600.) A. S. Meek coll. "Iris dark brown, bill and feet dark slate."

77. *Eugerygone rubra* (Sharpe).

Pseudogerygone rubra Sharpe, Notes Leyden Mus. i. 1879. p. 30 (1879 : Arfak Mts.).

1 "♀" (evidently wrongly sexed), Mt. Cameron, Owen Stanley Range, 15. viii. 1896. "Iris brown-black, feet light brown, bill dark brown." A. S. Anthony coll.

This specimen agrees perfectly with the descriptions given by Drs. Sharpe and Finsch. It has a distinct white line across the base of the forehead, as originally described by Dr. Sharpe, while Dr. Finsch thinks this is saying too much. The tail is imperfect. According to Finsch this would be the second known example in Europe. The wings are a little damaged by shots, but I measure them 62—63 mm.

1 ♂ (in moult), Avera, Aroa River, 3. vi. 1903. (No. A 598.) "Iris dark brown, feet smoky yellow, bill black and smoky brown."

The tail is black, the two outer rectrices with wide white tips. The white line on the forehead is conspicuous.

? "♀," Mountains of Kotoi district, August 21st, 1898. A. S. Anthony coll. Above olive-green, a yellowish line across the base of the forehead, ear-coverts yellowish buff with paler shafts, underside pale yellow, washed with olive-greenish on the sides. Wings without a white bar, tail consisting of three feathers only, none of which has any white. We do not know if this is the female of *E. rubra*, but it agrees with the latter in its dimensions and has a peculiar pale yellow line across the base of the forehead, reminding one of the white line there in *E. rubra*.

78. *Cryptolopha* * *poliocephala* (Salvad.).

Gerygone (?) *poliocephala* Salvadori, *Ann. Mus. Civ. Gen.* vii. p. 960 (1875 : Arfak)

1 ♀, Arfak, 23. v. Brnijn coll.

79. *Cryptolopha* *giulianettii* (Salvad.).

Gerygone *giulianettii* Salvadori, *Ann. Mus. Civ. Gen.* (2) xvi. p. 81 (1896 : Moroka).

4, Aroa River, British New Guinea. E. Weiske coll.

80. *Cryptolopha* *maforensis* (Mey.).

Gerygone *maforensis* A. B. Meyer, *Sitzungsber. kk. Akad. Wissensch. Wien* lxx. p. 119 (1874 : Mafor).

Gerygone (?) *maforensis* Salvadori, *Orn. Pap.* ii. p. 103.

2 ♂♂, Mafor, May 1897. W. Doherty coll.

81. *Aethomyias* *spilodera* *spilodera* (Gray).

Entomophila (?) *spilodera* G. R. Gray, *P. Z. S.* 1859. p. 155 (Dorey).

2 ♂♂, Dorey, October 1896. W. Doherty coll.

1 ♂, Takar, November 1896. W. Doherty coll.

2, near Humboldt Bay. J. M. Dumas coll.

1, Mt. Maori, near Humboldt Bay, January 1899. J. M. Dumas coll.

82. *Aethomyias* *spilodera* *guttata* Sharpe.

Aethomyias *guttata* Sharpe, *Journ. Linn. Soc., Zool.* xvi. p. 432 (1882 : S.E. New Guinea).

4 ♂♂, 1 ♀, Avera, Aroa River, February—March 1903. A. S. Meek coll., Nos. A 324, 360, 443, 447, 455. "Iris dull red (light red, ♀ pale chocolate), feet smoky slate (smoky brown), bill light brown (horn-colour)."

Some of the typical *spilodera* (Dorey) are hardly distinguishable from *guttata*.

* See footnote p. 473. Salvadori (*Orn. Pap.* ii. p. 103) remarks already that this is not a typical *Gerygone*, but resembles closely *Aburria* *polyogenys*, our present *Cryptolopha polyogenys*, which is quite true.

83. **Machaerirhynchus nigripectus** Schleg.

Machaerirhynchus nigripectus Schlegel, Ned. Tijdschr. Dierk. iv. p. 43 (1871 : New Guinea)

♂ ad. (moulting), Arfak (e Museo Guillemaud).

♂ (moulting), Arfak, 28. iv. 1875. Bruijn coll. (Specimen *g* of Salvadori's list, *Orn. Pap.* ii. p. 110.)

♀, Arfak, 27. iv. 1875. Bruijn coll. (Specimen *o* of Salvadori's list.)

♀, Arfak. Bruijn coll. (Specimen *x* of Salvadori's list.)

2 ♀♀, Hatam, Arfak, 27. vi., 1. vii. 1875. Beccari coll. (Specimens *q*, *r* of Salvadori's list.)

1 ♂, 3 ♀♀, 2 juv., Arfak. Bruijn coll.

2 juv. Arfak mountains.

1 ♂, 2 ♀♀, Mt. Cameron, 6500 ft., August 1896. A. S. Anthony coll.

2 ♂♀, Mt. Scratchley. A. S. Anthony coll.

1 ♂, 2 ♀♀, Mountains of Kotoi district. A. S. Anthony coll.

1 ♀, Avera, Aroa River, 21. i. 1903. A. S. Meek coll., No. A 26. "Iris light brown, feet dark smoky brown, bill black with whitish tip."

Specimens from S.E. New Guinea seem to be mostly a little brighter yellow.

84. **Machaerirhynchus xanthogenys xanthogenys** Gray.

Machaerirhynchus xanthogenys Gray, P. Z. S. 1858. pp. 176, 192 (Aru).

1 ♂, Mountains of the Kotoi district, August 1898. A. S. Anthony coll.

1 ♂, 2 juv., Brown River, Mountains of British New Guinea. E. Weiske coll.

2 ♂♂, Milne Bay, 15. xi. 1898, 3. ii. 1899. A. S. Meek coll., Nos. 2152, 2245. "Iris brown."

4 ♂♂, 2 ♀♀ (? juv.), Avera, Aroa River, February, March 1903. A. S. Meek coll., Nos. A 43, 302, 304, 363, 383, 399

We had no Aru specimens to compare.

85. **Machaerirhynchus xanthogenys albifrons** Gray.

Machaerirhynchus albifrons Gray, P. Z. S. 1861. pp. 429, 434. pl. 43. fig. 1 (Mysol).

1 ♂, Mysol, 1. ii. 1900. H. Kühn coll., No. 1988. "Iris black, feet dark ashy, bill black with white spot before the tip."

2 ♂♂, Waigiu, 13, 24. xii. 1902. J. Waterstadt coll.

1 ♂, Kapaaur, February 1897. W. Doherty coll.

1 ♀, Takar, October 1896. W. Doherty coll.

2 ♂♂, Dutch New Guinea. Bruijn coll.

86. **Chenorhamphus grayi** (Wall.).

Todopsis grayi Wallace, P. Z. S. 1862. p. 166 (New Guinea).

1, near Humboldt Bay. J. M. Dumas coll.

1, near Amboina River. J. M. Dumas coll.

87. *Todopsis cyanocephalus cyanocephalus* (Quoy & Gaim.).*Todus cyanocephalus* Quoy et Gaimard, *Voy. Astrolabe* i. p. 227. Pl. V. 4 (1830 : Dorey).

2 ♂♂, 2 ♀♀, Dorey, June 1897. W. Doherty coll. "♂, Iris deep brown, feet dull brown, bill black."

4 ♂♂, 2 ♀♀, Kapaur, December 1896. W. Doherty coll.

1 ♂, Terfia Island, October 1896. W. Doherty coll.

2 ♂♂, Triton Bay, July 1896. Capt. C. Webster coll. (Ex spirits.) (Being out of spirits the colour of the back cannot be seen nicely.)

88. *Todopsis cyanocephalus dohertyi* subsp. nov.

The male apparently not distinguishable from that of *T. c. cyanocephalus*, but the female with back and wing-coverts conspicuously darker and more chestnut. (*Type*: ♀, Takar, November 1896.) (No. T 247.)

Hab. Takar, on the northern coast of Dutch New Guinea.

3 ♂ ad., 1 ♂ juv., 4 ♀♀ ad., Takar, October—November 1896. W. Doherty coll.

89. *Todopsis cyanocephalus bonapartii* Gray.*Todopsis bonapartii* Gray, *P. Z. S.* 1859, p. 156 (Aru).

4 ♂♂, 2 ♀♀, Wokan, Arn Is., September—October 1900. H. Kühn coll.

1 ♂, Sungej Wanambai, Kobroor I., Arn Is., August 1900. H. Kühn coll., No. 2283.

1 ♂, Kone district, June 1898. A. S. Anthony coll.

3 ♂♂, Brown River, British New Guinea, 1898. E. Weiske coll.

2 ♂♂, Naiabui, September 1875. D'Albertis coll., Nos. 494, 497. (Specimens n, q of Salvadori's list, *Orn. Pap.* ii. p. 116.)

1 ♀, Nicura, British New Guinea, 20. vii. 1893. Lix coll.

The blue of the back in the males differs conspicuously from that of the former.

90. *Todopsis cyanocephalus misorensis* Mey.*Todopsis misorensis* A. B. Meyer, *Sitzber. k. Akad. Wien* lxix. pp. 74, 79 (1874 : Misori).

1 ♂ ad., 1 ♂ juv., 1 ♀ ad., 1 ♀ (?) juv., "Kordo," 1879. Bruijn coll.

1 ♂ ad., Korrido, October 1896. W. Doherty coll. "Iris dark brown, feet blackish, bill black."

The males are like those of *T. c. bonapartii*, but the wing measures 1 to 2 mm. shorter. The females have the crown more purplish than those of the former.

91. *Todopsis wallacii* Gray.*Todopsis wallacii* G. R. Gray, *P. Z. S.* 1861, pp. 429, 434. Pl. 43. fig. 2 (Mysol).

4 ♂♂, 2 ♀♀, Mysol, January—February 1900. H. Kühn coll., Nos. 1792, 1793, 1794, 1983, 1986, 2016. "Iris greyish-brown (chocolate-brown, coffee-brown, dark brown), feet pale yellowish-brown (pale ochreous, pale bright brown), bill black with white tip."

- 1 ♂, Milne Bay, 10. ii. 1899. A. S. Meek coll., No. 2292.
 2 ♂♂, Avera, Aroa River, 5, 21. iii. 1903. A. S. Meek coll., Nos. A 365, 442.
 1 (not sexed), Mountains of British New Guinea. Weiske coll.
 3 ♂♂, Kapanr, December 1896, January 1897. W. Doherty coll.
 2 ♂♀, Wokan, Aru Is., 27. ix. 1900. H. Kühn coll.

We see absolutely no difference between specimens from Mysol, New Guinea, and the Aru Is.

92. *Malurus alboscapulatus* Mey.

Malurus alboscapulatus A. B. Meyer, *Sitzber. k. Akad. Wien* lxix. p. 496 (1874 : Arfak Mts.).

1 ♂ ad., Arfak, June 1874. Bruijn coll. (Specimen b of Salvadori's list, *Orn. Pap.* ii. p. 120.)

3 ♂♂ ad., 4 ♀♀ ad., 1 ♀ immat., 1 quite young., Takar, October—November 1896. W. Doherty coll. (The young bird is sooty-brown all over, without any white at all. Salvadori describes a pullus (sex ?) as white below.)

1 ♂, Stephansort, 22. xii. 1898. E. Nyman coll.

1 ♂ ad., 1 ♂ immat., 1 ♀ ad., Simbang, 22, 25. viii., 1. ix. 1899. E. Nyman coll.

1 "♀," Friedrich Wilhelms Hafen, 17. x. 1899. E. Nyman coll.

It is with some hesitation that we identify this last specimen with *M. alboscapulatus*. It agrees fully with the description of *M. naimii* Salvadori, which he afterwards considered to be the female of *alboscapulatus*. Doherty's and Nyman's carefully sexed specimens, however, show doubtless that the female resembles the male, except that it is slightly smaller (wing about 2 mm. shorter) and less glossy, more sooty-black, and the wings brownish instead of pure black. On the other hand, a specimen of the following subspecies from Sogere (Forbes coll.) is below mixed black and white. What then are the birds with white underside? They can hardly belong to a different species, nor are they, in the face of the pullus from Takar, the young; nevertheless Salvadori describes a pullus from Naiabni as white below. (Perhaps the female is dimorphic.)

93. *Malurus alboscacularis naimii* Salvad & d'Alb.

Malurus naimii Salvadori & d'Albertis, *Ann. Mus. Civ. Gen.* vii. p. 827 (1875 : Mon, S. New Guinea).

The name *naimii* must be used for the southern race, though based on a bird with white underside, unless the latter belong to a different species.

Southern birds are smaller: wing in the males from Arfak and Takar 50—51, in those from German New Guinea 49—51, in those from British New Guinea only 47—48 mm.

4 "♂♂" (I apparently a ♀), Milne Bay, October—November 1898, January 1899. A. S. Meek coll., Nos. 2100, 2159, 2160, 2205. "Iris brown (dark), bill and feet black."

1 ♂, Collingwood Bay, 29. vi. 1897. A. S. Meek coll., No. 683.

1 ♂, Avera, Aroa River, 3. iii. 1903. A. S. Meek coll., No. A 349.

1 (not sexed), Kotoi district, August 1898. Anthony coll.

1, Mountains of British New Guinea. (Native coll.)

1 "♀," Sogere, 26. x. 1885. Dr. H. O. Forbes coll., No. 65.

DICAEIDAE (*anted* p. 216), add :**Oreocharis arfaki** (Meyer).

Parus (?) arfaki A. B. Meyer, *Sitzungsber. Isis Dresden* 1875 (Arfak).

5, Arfak Mountains, 25. v. (and no dates). From Brnijn's hunters. (One marked ♀?).

2 ♀♀, Arfak Mts.

3 ♂♂, Avera, Aroa River, 26. iii. 1903. A. S. Meek coll., Nos. A 463, 465.
"Iris dark greyish brown (dark grey), feet smoky-brown, bill black."

1 ♂, Mt. Scratchley. Native coll.

2 between Mts. Musgrave and Seratchley, 5000—6000 ft.

1 ♂, Kotoi district, 4000 ft., 15. viii. 1898. A. S. Anthony coll.

The *female* is very different. The upperside is green, crown like the back, chin, throat and chest grey, ear-coverts and sides of head grey with white spots; sides yellow with dark bars, middle of abdomen greyish white with grey bars, lower part uniform buff, under tail-coverts yellow. These may be young birds and *females*.

The systematic position of this remarkable bird with its tit-like appearance is hardly finally settled, but we know at present no other place for it than among the *Dicacidae*.

LANIIDAE (*anted* p. 108), add :**Pachycephala poliosoma** (Sharpe).

Pachycephalopsis poliosoma Sharpe, *Journ. Linn. Soc. Zool.* xvi. p. 381 (1882: Astrolabe Mts., Goldie coll.).

2 ♂♂, 2 ♀♀, 2 not sexed, Mt. Cameron, August—September 1896. A. S. Anthony coll. "Iris dark brown, feet light grey, bill brown."

1, Mt. Scratchley. Native coll.

1, Moroka, 5000 ft., November 1885. H. O. Forbes coll., No. 156.

1, between rivers Laroki and Vanapa, 1894. E. Weiske coll.

3 ♂♂, 3 ♀♀, Avera, Aroa River, 22, 27, 30, 31. i., 1, 17. ii. 1903. A. S. Meek coll., Nos. A 44, 114, 153, 165, 174, 240. "Iris dirty ivory white, feet slate-blue, bill black."

Monachella mülleriana (Schleg.).

Muscicapa Mülleriana Schlegel, *Ned. Tijdschr. Dierk.* iv. p. 40 (1871: New Guinea, Lobo and northern peninsula).

1 ♂, Triton Bay, 24. vii. 1896. Cayley Webster coll. (From spirits.)

1 ♀, Dutch New Guinea. Brnijn coll.

3 ♂♂, 2 ♀♀, Mt. Arfak, Praffi, 1879. Brnijn coll.

1, "Astrolabe Mts." A. Goldie coll.

1 ♀, Mailu district, 19. vii. 1895. A. S. Anthony coll. "Eye, bill and feet dark brown."

1, Kotoi district, August 1898. A. S. Anthony coll.

1, between rivers Laroki and Vanapa, 1897. E. Weiske coll.

3 ♂♂, 1 ♀, Avera, Aroa River, 24, 25. ii., 3. iii. 1903. A. S. Meek coll., Nos. A 289, 290, 291, 350. "Iris dark brown, bill and feet black."

TIMELEIIDAE (cf. *anteā* p. 228), add :*Sericornis olivacea* Salvad.

Sericornis olivacea Salvadori, *Ann. Mus. Civ. Gen.* xxxvi. p. 100 (1896 : Moroka).
Sericornis pusilla Rothscl. & Hart., *anteā* p. 228 (Mt. Gayata).

1 ♂, Mt. Cameron, 6000 ft., 6. viii. 1896.
 2 ♂♂, 2 ♀♀, Avera, Aroa River, February—March 1903. A. S. Meek coll., Nos. A 180, 251, 412, 439.

1, Mt. Gayata. (Type of *S. pusilla*.)

The new material from Avera, Aroa River, has convinced us beyond doubt that our *S. pusilla* is a (probably somewhat immature) female of *S. olivacea*.

Two birds, one marked ♂, the other not sexed, collected by J. M. Dumas at the Ambergoh River and Mt. Maori, seem to belong to this neighbourhood, but are much whiter underneath. One is young, the other in moult, almost without tail-feathers. These two birds are not sufficient to decide what they really are, but they are probably a new form of a *Sericornis*.

(To be continued.)

DESCRIPTION OF A NEW SPECIES OF GAZELLA.

BY THE HON. W. ROTHSCHILD, PH.D.

(Plate XV.)

Gazella albonotata spec. nov.

This gazelle is nearest to *G. rufifrons*, and occurs in portions of the same country as the latter.

It differs from *G. rufifrons* in having the nose and lower half of the central face-stripe black with a slight mixture of rufous hairs instead of bright rufous sandy. Face-stripe from eye to nostril white instead of buff. Area between tear-duct and lips dark buff, strongly mixed and shaded with black instead of pale buffy rufous. Head and neck pale isabelline instead of rufous buff. Upper half of face and forehead pale rufous mixed with white, almost entirely white between the horus. Horns wider spread and more recurved backwards than in *G. rufifrons*, the points more turned inwards, the rings deeper cut and more conspicuous. Habitat : East Bank of White Nile (type from 40 miles north of Kero or Kiri).
